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Spawn Estimates and Associated Predator Data for Herring Egg Loss in Lambert Channel, Georgia Strait -- 1989 and 1990

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Haegele, C. W. 1991. Spawn estimates and associated predator data for herring egg loss in Lambert Channel, Georgia Strait -- 1989 and 1990. Can. Data Rep. Fish. Aquat. Sci. 821: 103 p.

Herring spawn samples were collected throughout the incubation period, and the egg densities determined. Associated observation of percent cover of vegetation, vegetation type, plant height, egg layers on vegetation and bottom substrate, and depth were made. Birds, sea mammals, and epibenthic predators were enumerated. The data from these investigations are tabled in this report.

RÉSUMÉ

Haegele, C. W. 1991. Spawn estimates and associated predator data for herring egg loss in Lambert Channel, Georgia Strait -- 1989 and 1990. Can. Data Rep. Fish. Aquat. Sci. 821: 103 p.

Des échantillons de frai de hareng ont été recueillis durant toute la période d'incubation et la densité des oeufs a été déterminée. Des données complémentaires ont aussi été recueillies: pourcentage de la superficie couvert de végétation, type de végétation, hauteurs des végétaux, couches d'oeufs sur la végétation et au fond, profondeur, et oiseaux, mammifères marins et organismes épibenthiques prédateurs. Toutes ces données sont présentées ici.

INTRODUCTION

Herring egg loss from spawning grounds in British Columbia is of concern primarily because stock assessments use spawn survey data to estimate spawner biomass. In addition, egg loss causing egg death reduces the number of larvae produced, which may affect recruitment and hence, ultimately, stock size.

Egg loss in herring spawns may be estimated in two ways. Spawn can be sampled throughout the incubation period to quantify any decrease in egg density. Alternately, sources of egg loss can be identified and estimated. In this study, both approaches were used. The study area was Lambert Channel in Georgia Strait. Spawn and epibenthic predators were sampled on transects and birds were counted in sectors (Fig. 1). The data from 1989 and 1990 surveys are presented in this report. Data from a similar and preliminary study in Barkley Sound in 1988 were published in Haegele and Schweigert (1989).

METHODS

HERRING SPAWN SAMPLES

Herring spawn was sampled on transects marked with gillnet leadline, laid perpendicular to shore. At least 10 samples were collected on each transect and the maximum distance between sampling stations was 20 m. Hence, spacing between sampling stations and the number of stations per transect depended on spawn width; minimum distances between stations were 5 m and maximum number of stations was 31. Sample plots were 0.5 m^2 quadrats, a square with 0.7 m sides. Quadrat placement was made non-selective by laying one side of the quadrat along the transect line and flipping the quadrat once to the left.

Visual observations of (1) % cover of vegetation (the proportion of the quadrat covered by vegetation), (2) vegetation type (Table 1), (3) plant height, (4) egg layers on vegetation and on bottom substrate, and (5) depth were made at each station. Vegetation rooted within the quadrat and attached eggs were removed for further analysis. Observed depth was corrected to chart datum.

Harvested vegetation and eggs were separated by vegetation type into fractions, which were weighed, and weighed subsamples preserved in Gilson's fluid. These were immersed in alcoholic (25% by volume) 1N KOH at 40° C for approximately 30 minutes to liberate the eggs. (This solution dissolves the glue by which herring eggs are attached.) Eggs were then stored in 10% formalin for at least 1 week to harden. The preservative was vacuum extracted, the eggs weighed, and two aliquots of approximately 200 to 400 eggs

removed. Eggs were weighed and counted. The number of eggs on each vegetation type was then calculated and eggs•m^{-2} was twice the sum of these estimates. Each sample was assigned to a dominant vegetation type based on which type had the most eggs attached. Eggs on the bottom were estimated from egg layer observations [1 layer = 340,000 eggs•m^{-2} (Haegele et al. 1979)].

PREDATOR CENSUSING

Birds and sea mammals

Birds and sea mammals were surveyed from a boat, travelling near and parallel to the beach at low speed, by two observers using binoculars. Birds were identified to species, where possible, and grouped into abundance and behaviour categories (Table 2).

Epibenthic fauna

Epibenthic organisms that were observed or suspected of eating herring eggs were enumerated by counts in quadrats (small organisms) and by counts within 1 m of the transect leadline (larger organisms). Animals were identified to species, where possible (Table 3).

RESULTS

In 1989, herring spawned in the Lambert Channel study area March 2-16. In each location, spawning activity averaged 4 days. On Denman I. spawning began in sector 3, and progressed NW to sector 2 and SE to sector 4 (Fig. 1). On Hornby I. spawning began in sector 5 and progressed SE into sector 8, as well as along the NE shore, which was outside of the study area. In 1990, herring spawned in the Lambert Channel study area March 2-10. In each location, spawning activity averaged 3 days and the progression of spawning activity was similar to 1989. As well, herring spawned at Bowser (transects 11 and 12) from March 9-10.

HERRING SPAWN SAMPLES

In 1989, herring spawn was sampled on eight transects from March 10-19 (Table 4). Transects were sampled on alternating days, beginning on incubation day 6 for earlier spawn (transects 5, 6, 9, and 10) and beginning on incubation day 4 for later spawn (transects 1, 2, 7, and 8). It was impossible for SCUBA divers to sample spawn safely earlier in the incubation

period because of gillnet fishing.

In 1990, spawn was sampled on six transects, four of which were at the same location as in 1989 (transects 1, 6, 8 and 9) from March 6-24 (Table 5). Early in the incubation period, transects were sampled daily, and then on alternate days. On transect 1 sampling began on day 2; on transects 8, 9, 11 and 12 sampling began on day 3; and on transect 6 sampling began on day 4. It was not feasible to sample earlier because of poor underwater visibility from milt.

PREDATOR CENSUS

Birds and sea mammals

In 1989, bird and sea mammal counts were made on alternate days, from March 3-19, and on March 22 and April 4 (Tables 6a-k). The March 7 survey was difficult, especially for sea mammals, because there was herring gillnet fishing, and hence these estimates are conservative.

In 1990, bird and sea mammal counts were made on Feb. 28, prior to herring spawning, and in 2-3 day intervals from March 6-25 (Tables 7a-j).

Epibenthic fauna

Line counts of epibenthic predators were made once per transect in 1989: on day 8 for transects 7 and 8, on day 10 for transects 1 and 2, on day 12 for transects 6 and 10, and on day 14 for transects 5 and 9 (Table 8). In 1990, line counts were made 4-5 times per transect, throughout the incubation period of 14 days (Tables 9a-f). Line counts did not enumerate small snails and amphipods and probably underestimated small crabs and other small organisms.

Quadrat counts of epibenthic organisms were made at the same frequency as line counts, once per transect in 1989 (Tables 10a-h) and 4-5 times per transect in 1990 (Tables 11a-z). Some of the infrequently occurring organisms observed in line counts were absent in quadrats and hence underestimated.

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Jane Watson, Caroline Heim, Laurie Convey, and Leah Saville, were contracted, through Archipelago Marine Research (AMR) of Victoria, B. C., for field sampling. Doug Miller, Jake Schweigert, Chuck Fort, and Vivian

Haist of the Herring Section at PBS assisted in the field sampling. The Hornby Island Diving Lodge operated by the very helpful and accommodating Robert Zielinski was our convenient field camp. Jackie James provided meals for the field crew. Spawn samples were processed for egg counts by Doug Miller and Brent Allen in 1990 and on contract by AMR in 1989.

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Table 1. Vegetation types and the most common species of marine vegetation encountered in Lambert Channel.

Type	Species
Sea grasses	*Zostera* sp.
Rockweed	*Fucus* sp.
Kelps	*Laminaria* sp.
Sargassum	*Sargassum muticum*
Foliose algae	*Botryglossum* sp. *Callophyllis* sp. *Constantinia* sp. *Cryptopleura* sp. *Gigartina* sp. *Iridea* sp. *Rhodymenia* sp. *Ulva lactuca*
Filamentous algae	*Agardhiella* sp. *Gracilaria* sp. *Laurencia* sp. *Microcladia* sp. *Odonthalia* sp. *Plocamium* sp. *Polysiphonia* sp. *Rhodomela* sp.

Table 2. Birds and sea mammals identified and counted in Lambert Channel. Common and scientific names are given and species are grouped by categories of behaviour and abundance.

Gulls	
Gull	*Larus* sp.
Scoters	
Scoter	*Melanitta perspicillata*, *M. deglandi* or *M. nigra*
Other diving ducks	
Bufflehead	*Bucephala albeola*
Goldeneye	*Bucephala islandica* or *B. clangula*
Harlequin	*Histrionicus histrionicus*
Oldsquaw	*Clangula hyemalis*
Merganser	*Mergus merganser* or *M. serrator*
Mallard	*Anas platyrhynchos*
Duck (unidentified)	-
Other diving birds	
Grebe	*Podiceps auritus* or *Aechmophorus occidentalis*
Cormorant	*Phalacrocorax pelagicus*, *P. auritus* or *P. penicillatus*
Common loon	*Gavia immer*
Common murre	*Uria aalge*
Murrelet	*Synthliboramphus antiquum* or *Brachyramphus marmoratum*
Pigeon guillemot	*Cepphus columba*
Belted kingfisher	*Megaceryle alcyon*
Non-diving birds	
Crow	*Corvus caurinus* or *C. brachyrhynchos*
Canada goose	*Branta canadensis*
Brant	*Branta bernicla* or *B. nigricans*
Bald eagle	*Haliaeetus leucocephalus*
Great blue heron	*Ardea herodias*
American widgeon	*Mareca americana*
Sea mammals	
Steller sea lion	*Eumetopias jubatus*
Harbour seal	*Phoca vitulina*

Table 3. Epibenthic fauna encountered and enumerated as potential herring egg predators.

Crabs
Cancer gracilis
Cancer magister
Cancer productus
Hemigraspus sp.
Oregonia gracilis
Pagarus sp.
Petrolisthes eriomerus
Pugettia producta
Telmessus cheiragonus

Starfish
Amphipholes squamata
Dermasterias imbricata
Evasterias troschelii
Henricia leviuscula
Mediaster aequalis
Orthasterias kohleri
Pisaster brevispinus
Pisaster ochraceus
Pycnopodia helianthoides
Solaster sp.

Snails
Bittium eschrichtii
Haminoea virescens
Margarites sp.
Mitrella sp.
Polinices lewisii

Sea anemones
Anthopleura artemisia
Anthopleura elegantissima
Metridium senile
Urticina sp.
Pachycerianthus sp.

Sea cucumbers
Cucumeria sp.
Eupentacta quinquesemita
Parastichopus californicus

Urchins
Strongylocentrotus droebachiensis
Strongylocentrotus franciscanus

Miscellaneous
Polychaete worms (incl. *Nereis* sp., *Thelepus crispus*)
Nemertean worms
Amphipods
Shrimps (pandalid, cragnon, *Callianassa* sp. and *Heptacarpus* sp.)
Chiton (*Tonicella lineata* or *Katharina* sp.)
Limpet (*Diodora aspera*)
Clams (*Tresus capax* or *Panope generosa*)
Nudibranchs (incl. *Dirona* sp.)
Sand dollar (*Dendraster excentricus*)
Fishes (rockfish, poacher, sandab, gunnel and sculpin)

Table 4. Observations and measurements for quadrats sampled for herring spawn in Lambert Channel in 1989.

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
1	4	-3.7	folio	14	100	4.4	2.3	875.2	34.0
1	4	-3.5	folio	25	60	5.0	1.5	598.7	68.0
1	4	-3.5	folio	11	25	3.0	1.5	296.8	459.0
1	4	-3.6	folio	10	80	4.0	4.5	721.2	612.0
1	4	-3.6	seagr	45	15	0.1	0.1	14.0	0.0
1	4	-3.7	seagr	50	10	0.1	0.0	17.2	0.0
1	4	-3.4	seagr	45	10	0.1	0.1	23.1	0.0
1	4	-2.3	folio	8	45	2.0	0.8	173.0	85.0
1	4	-4.0	filam	7	35	1.7	2.0	121.4	68.0
1	4	-3.7	folio	12	35	1.5	0.5	154.4	0.0
1	4	-3.8	seagr	35	10	0.1	0.0	17.1	0.0
1	4	-3.9	kelp	13	15	0.3	0.2	27.9	0.0
1	4	-3.6	folio	12	70	2.0	1.0	339.6	122.4
1	4	-3.4	folio	10	40	0.8	0.5	156.3	0.0
1	4	-3.1	kelp	50	40	0.2	0.0	58.2	0.0
1	4	-2.6	kelp	80	80	0.1	0.0	63.2	0.0
1	4	-2.7	filam	5	10	0.3	0.4	40.6	0.0
1	6	-2.4	folio	15	80	3.5	3.0	1452.8	153.0
1	6	-2.5	folio	15	80	4.5	6.5	1024.8	255.0
1	6	-2.5	filam	18	80	2.0	2.3	1081.3	136.0
1	6	-1.6	folio	17	90	2.3	2.4	1394.8	51.0
1	6	-1.9	folio	17	75	2.0	3.0	1138.0	127.5
1	6	-2.0	folio	20	70	2.0	2.0	642.1	102.0
1	6	-2.0	folio	10	60	0.5	1.0	336.0	68.0
1	6	-2.0	folio	15	80	1.5	3.0	289.7	34.0
1	6	-1.7	folio	10	45	1.3	1.3	822.7	280.5
1	6	-1.8	seagr	30	10	0.5	0.2	126.1	0.0
1	6	-1.8	folio	15	80	1.5	2.0	248.7	68.0
1	6	-1.9	folio	18	50	1.0	1.5	702.6	68.0
1	6	-1.8	folio	10	60	2.0	1.5	370.9	136.0
1	6	-1.6	seagr	20	10	0.5	0.5	69.6	0.0
1	6	-1.7	seagr	20	10	0.5	0.5	101.1	0.0
1	6	-0.8	seagr	30	10	0.1	0.0	33.3	0.0
1	6	-0.9	seagr	25	10	0.5	0.5	154.0	0.0
1	6	-0.9	seagr	30	15	0.5	1.0	174.0	0.0
1	6	-1.5	folio	20	10	1.5	0.5	270.3	76.5
1	6	-1.9	folio	17	20	2.0	0.7	191.0	102.0
1	6	-1.9	kelp	19	11	0.6	0.3	55.0	0.0
1	6	-2.0	kelp	40	15	0.1	0.0	0.3	0.0
1	6	-2.0	seagr	20	5	0.1	0.1	6.1	0.0
1	8	-2.7	folio	15	30	2.0	4.0	900.8	510.0
1	8	-2.7	filam	12	50	8.0	6.5	1728.3	1020.0
1	8	-2.7	filam	8	50	4.7	3.0	1590.3	680.0
1	8	-2.4	filam	7	25	3.0	3.1	602.7	765.0
1	8	-2.4	folio	9	40	1.9	2.6	272.6	51.0

Table 4 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
1	8	-2.4	folio	9	55	3.2	2.3	754.2	408.0
1	8	-2.1	folio	18	30	3.0	3.9	906.2	476.0
1	8	-2.0	seagr	35	10	0.1	0.3	58.2	0.0
1	8	-1.7	seagr	35	5	0.1	0.5	60.9	0.0
1	8	-1.1	seagr	30	5	0.5	0.3	82.1	0.0
1	8	-1.1	seagr	20	5	0.1	0.1	11.0	0.0
1	8	-1.4	seagr	25	5	0.1	0.1	34.1	0.0
1	8	-1.4	seagr	30	10	0.1	0.1	17.9	0.0
1	8	-1.1	folio	36	25	0.4	1.2	120.9	10.2
1	8	-1.1	folio	17	50	3.0	3.1	811.2	340.0
1	8	-1.1	filam	13	20	3.3	1.9	181.9	0.0
1	8	-1.7	folio	12	21	0.5	1.0	160.3	127.5
1	8	-1.4	folio	18	25	0.5	0.9	371.6	25.5
1	8	-1.4	folio	13	15	0.5	0.8	72.5	5.1
1	8	-0.8	folio	17	60	1.0	1.0	93.4	42.5
1	8	-0.8	filam	13	60	2.0	1.6	257.3	68.0
1	8	-0.8	seagr	15	5	0.1	0.1	13.1	0.0
1	8	-0.5	seagr	20	5	0.1	0.1	6.6	0.0
1	10	-3.1	filam	9	30	3.1	3.8	840.8	595.0
1	10	-3.1	folio	7	40	4.7	3.7	914.7	255.0
1	10	-2.8	filam	9	50	5.4	3.4	1985.8	204.0
1	10	-2.8	filam	9	30	4.2	2.2	879.0	408.0
1	10	-2.8	filam	11	30	5.5	3.4	720.1	68.0
1	10	-2.8	filam	10	25	4.2	3.8	654.1	153.0
1	10	-2.2	filam	9	80	5.4	7.1	2589.1	255.0
1	10	-2.2	filam	9	30	5.4	3.2	1200.1	68.0
1	10	-2.2	folio	10	40	3.0	5.5	1163.2	153.0
1	10	-1.6	seagr	27	10	2.0	0.3	5.2	0.0
1	10	-1.6	seagr	40	5	1.5	0.1	45.4	0.0
1	10	-1.6	seagr	40	5	0.5	0.0	2.8	0.0
1	10	-1.9	seagr	30	5	0.1	0.1	8.8	0.0
1	10	-1.9	seagr	30	5	0.0	0.1	9.7	0.0
1	10	-1.2	seagr	25	5	0.0	0.0	4.7	0.0
1	10	-1.2	kelp	60	30	0.1	0.5	8.1	0.0
1	10	-1.2	folio	15	25	1.4	2.0	164.5	1.7
1	10	-1.2	folio	15	20	0.8	1.5	305.1	153.0
1	10	-1.2	folio	10	31	0.9	2.1	98.0	17.0
1	10	-1.2	filam	9	30	1.3	0.6	323.5	0.0
1	10	-1.2	folio	13	30	0.2	0.1	5.9	0.0
1	10	-0.3	filam	13	50	2.8	2.6	230.2	34.0
1	10	-0.3	seagr	15	10	0.1	-	-	0.0
1	12	-3.3	folio	15	70	4.0	5.0	695.1	306.0
1	12	-3.0	filam	18	60	3.1	2.8	1355.4	340.0
1	12	-3.0	filam	15	60	4.3	4.0	619.6	306.0
1	12	-3.1	filam	13	50	2.9	3.3	603.5	136.0
1	12	-3.1	filam	13	40	2.9	2.9	361.0	204.0

Table 4 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
1	12	-1.9	folio	12	60	2.9	3.1	215.8	306.0
1	12	-2.5	folio	12	30	3.0	3.0	12.3	0.0
1	12	-2.2	filam	11	50	3.0	3.3	649.3	136.0
1	12	-1.9	seagr	20	5	0.1	0.0	3.5	0.0
1	12	-2.0	kelp	100	60	0.0	0.0	2.5	0.0
1	12	-1.7	seagr	30	45	0.1	0.0	12.4	0.0
1	12	-1.4	seagr	30	5	0.5	0.5	89.2	0.0
1	12	-1.4	seagr	30	5	0.1	0.1	21.6	0.0
1	12	-1.7	sarg	44	36	5.8	3.9	373.0	0.0
1	12	-1.4	filam	13	20	3.0	3.0	217.1	0.0
1	12	-1.5	folio	15	30	3.0	2.0	572.4	34.0
1	12	-1.5	folio	15	30	2.0	1.5	105.5	170.0
1	12	-1.5	folio	14	45	1.9	1.0	161.7	204.0
1	12	-1.2	folio	20	25	0.5	0.5	39.2	0.0
1	12	-0.9	folio	16	50	1.5	1.5	190.0	34.0
1	12	-0.9	folio	10	50	1.1	1.0	152.2	68.0
1	12	-0.6	filam	19	45	0.5	0.5	251.9	10.2
1	12	0.0	filam	11	70	1.2	1.2	769.6	17.0
1	12	-0.6	seagr	12	10	1.0	0.0	3.5	0.0
1	12	0.0	seagr	25	10	1.0	0.5	78.3	0.0
2	4	-4.9	folio	15	25	2.0	1.0	90.4	85.0
2	4	-3.4	folio	15	50	2.0	2.0	88.9	272.0
2	4	-3.5	folio	15	50	1.5	1.5	76.2	238.0
2	4	-3.5	folio	10	60	2.0	0.5	156.7	68.0
2	4	-3.6	folio	10	10	3.0	2.0	99.0	68.0
2	4	-2.6	folio	15	35	2.0	2.0	167.1	102.0
2	4	-2.2	seagr	30	30	0.1	0.5	125.3	0.0
2	4	-1.6	seagr	30	40	1.5	1.0	339.3	0.0
2	4	-0.8	seagr	25	70	2.5	4.0	1044.6	0.0
2	4	-0.9	filam	15	20	4.0	3.0	367.2	170.0
2	4	-0.9	filam	15	20	1.5	1.0	91.1	102.0
2	6	-3.8	seagr	-	80	2.0	0.3	81.0	0.0
2	6	-3.5	folio	-	30	2.0	2.0	360.8	425.0
2	6	-3.0	seagr	-	90	1.0	0.5	232.6	0.0
2	6	-2.9	seagr	-	100	2.0	2.5	235.8	0.0
2	6	-1.8	seagr	-	100	2.0	0.5	101.8	0.0
2	6	-1.5	folio	-	10	1.5	1.3	160.4	0.0
2	6	-1.9	filam	-	100	1.9	4.5	920.8	850.0
2	6	-1.9	seagr	-	100	3.0	3.0	815.9	0.0
2	6	-1.6	filam	-	10	2.0	3.0	266.8	0.0
2	6	-1.3	filam	-	90	2.0	4.0	1092.9	306.0
2	6	-0.2	filam	-	80	4.0	2.5	667.2	34.0
2	6	-0.5	seagr	-	90	1.0	1.0	39.4	0.0
2	6	-0.2	filam	-	35	0.1	0.1	35.2	0.0
2	6	-0.3	filam	-	100	2.0	2.0	873.7	0.0
2	6	-0.3	filam	-	20	1.5	0.1	39.8	0.0

Table 4 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
2	6	-0.3	filam	-	50	3.0	3.0	263.4	0.0
2	6	-0.1	rockw	-	30	1.0	1.8	94.9	0.0
2	6	0.2	rockw	-	15	0.8	0.8	6.4	0.0
2	8	-3.9	folio	20	60	3.5	3.5	529.8	680.0
2	8	-3.9	folio	15	40	1.5	1.5	176.2	272.0
2	8	-3.3	folio	10	25	0.5	0.0	26.2	17.0
2	8	-2.4	folio	20	25	2.0	2.0	150.7	153.0
2	8	-2.4	seagr	20	65	2.0	2.0	157.2	0.0
2	8	-1.8	seagr	30	45	1.0	0.3	134.3	0.0
2	8	-0.8	folio	37	45	0.1	0.1	30.5	0.0
2	8	-0.8	sarg	27	70	5.7	3.2	989.5	136.0
2	8	-1.4	sarg	30	60	6.7	6.0	682.7	255.0
2	8	-1.1	seagr	30	40	2.5	1.5	177.5	0.0
2	8	-1.1	seagr	30	80	3.0	2.0	537.9	0.0
2	8	-0.8	sarg	60	60	6.0	6.0	791.8	0.0
2	8	-0.8	filam	10	50	4.0	1.5	374.4	102.0
2	8	-0.8	filam	10	15	1.0	1.0	62.1	0.0
2	8	-0.8	filam	15	60	6.0	4.0	406.8	204.0
2	8	-0.2	filam	10	25	3.0	3.0	115.2	34.0
2	8	0.7	filam	10	25	2.0	1.0	21.6	0.0
2	8	0.7	rockw	10	25	2.0	1.0	38.4	102.0
2	10	-3.4	filam	-	90	6.0	8.0	368.7	816.0
2	10	-2.4	folio	-	5	4.0	2.0	36.3	0.0
2	10	-2.8	folio	-	40	3.0	1.5	314.5	544.0
2	10	-1.5	folio	-	25	2.5	0.5	53.7	0.0
2	10	-1.5	folio	-	26	2.4	1.4	182.1	170.0
2	10	-1.2	folio	-	30	2.0	1.5	552.4	255.0
2	10	-0.9	seagr	-	100	2.5	3.0	488.5	0.0
2	10	-0.9	seagr	-	50	0.5	0.5	100.6	0.0
2	10	-1.2	folio	-	50	3.0	3.0	619.3	0.0
2	10	-0.6	seagr	-	100	1.5	2.0	303.7	0.0
2	10	-0.0	seagr	-	70	1.5	0.1	54.6	0.0
2	10	-0.6	filam	-	35	2.6	3.5	433.1	0.0
2	10	-0.0	seagr	-	15	1.0	1.0	58.0	0.0
2	10	-0.0	seagr	-	100	2.0	0.5	183.6	0.0
2	10	0.6	folio	-	30	1.6	1.6	93.7	204.0
2	10	1.2	filam	-	25	1.0	0.3	101.1	0.0
2	10	1.2	filam	-	40	0.4	1.5	24.5	0.0
2	10	1.2	filam	-	10	0.1	0.1	12.3	0.0
2	10	1.2	filam	-	30	1.0	2.0	88.4	0.0
2	10	1.5	rockw	-	90	2.0	2.0	121.5	204.0
2	12	-3.0	folio	14	25	1.0	0.4	30.4	0.0
2	12	-3.0	folio	15	50	2.5	2.5	149.9	170.0
2	12	-3.1	folio	8	45	2.6	0.9	133.2	102.0
2	12	-3.1	seagr	30	40	1.5	1.5	120.0	0.0
2	12	-3.1	folio	10	40	1.5	1.0	121.2	34.0

Table 4 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
2	12	-3.1	seagr	30	30	0.8	0.8	134.3	0.0
2	12	-2.5	seagr	35	25	1.0	2.0	128.0	0.0
2	12	-1.6	seagr	30	10	0.1	0.1	27.5	0.0
2	12	-1.6	seagr	30	70	1.5	2.0	225.4	0.0
2	12	-1.6	seagr	30	40	1.0	1.0	200.2	0.0
2	12	-1.7	seagr	25	80	3.0	2.0	253.0	0.0
2	12	-1.7	seagr	20	20	1.5	1.5	91.6	0.0
2	12	-0.8	sarg	50	20	5.0	4.0	250.3	136.0
2	12	-0.8	filam	15	50	4.0	3.0	35.3	68.0
2	12	-0.8	filam	10	30	0.5	0.5	76.2	0.0
5	6	-2.3	folio	15	45	1.0	0.4	175.3	0.0
5	6	-2.2	folio	10	30	0.5	0.1	43.1	0.0
5	6	-1.6	folio	10	30	0.4	0.2	0.1	0.0
5	6	-1.0	folio	10	15	1.0	0.5	88.4	68.0
5	6	-0.9	filam	12	15	1.7	0.9	73.6	102.0
5	6	-0.9	seagr	30	10	0.0	0.1	20.6	0.0
5	6	-0.9	seagr	30	40	2.5	5.0	205.2	0.0
5	6	-0.8	folio	11	40	2.7	1.4	279.7	51.0
5	6	-0.8	filam	15	30	1.5	0.8	105.7	68.0
5	6	-0.7	filam	14	25	2.1	0.7	140.6	17.0
5	6	0.5	sarg	50	60	8.0	11.0	1356.6	0.0
5	6	0.9	folio	20	25	2.0	0.2	210.5	17.0
5	6	0.6	seagr	20	70	2.5	2.0	306.5	0.0
5	6	0.6	sarg	40	20	5.0	7.0	485.9	204.0
5	6	0.8	sarg	40	40	7.0	7.0	711.3	0.0
5	6	0.5	seagr	30	25	1.0	0.1	78.3	0.0
5	6	0.9	seagr	30	70	0.5	0.8	150.3	0.0
5	6	1.0	seagr	30	80	0.5	0.5	425.9	0.0
5	6	0.8	seagr	30	100	0.5	1.0	730.6	0.0
5	6	0.8	seagr	30	100	3.0	2.5	1456.1	0.0
5	8	-1.6	folio	-	20	0.1	0.1	17.7	0.0
5	8	-1.6	filam	-	5	1.0	0.5	8.8	0.0
5	8	-1.7	folio	-	40	0.9	0.2	41.8	0.0
5	8	-1.2	folio	-	20	0.1	0.4	33.1	136.0
5	8	-0.2	filam	-	35	2.4	0.3	107.0	0.0
5	8	-0.6	folio	-	11	0.1	0.1	12.3	0.0
5	8	-0.6	sarg	-	50	10.0	10.0	1531.3	680.0
5	8	-0.7	folio	-	25	6.0	2.2	89.3	0.0
5	8	-0.1	sarg	-	10	6.0	7.0	152.0	34.0
5	8	-0.2	filam	-	40	2.5	1.0	163.8	68.0
5	8	-0.2	filam	-	20	2.3	3.8	145.7	0.0
5	8	0.4	seagr	-	30	1.3	1.3	261.4	0.0
5	8	0.6	seagr	-	100	1.0	1.0	189.6	17.0
5	8	0.9	seagr	-	60	1.0	0.5	79.0	0.0
5	8	0.8	seagr	-	70	1.0	0.2	48.4	0.0
5	8	0.8	seagr	-	60	1.0	1.0	111.0	0.0

Table 4 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
5	8	0.7	seagr	-	100	1.0	1.5	175.7	0.0
5	8	0.7	seagr	-	100	1.0	0.2	64.5	0.0
5	10	-2.3	folio	10	50	0.1	0.4	57.5	85.0
5	10	-2.4	folio	20	40	0.3	0.3	43.8	34.0
5	10	-2.4	folio	20	35	0.1	0.2	69.0	17.0
5	10	-1.8	filam	15	30	1.6	1.7	49.5	51.0
5	10	-1.8	sarg	35	15	3.0	2.0	51.7	102.0
5	10	-1.5	sarg	38	40	8.0	3.0	512.8	1360.0
5	10	-1.5	seagr	30	100	3.0	4.0	601.7	0.0
5	10	-1.3	sarg	40	60	6.0	6.0	1736.9	255.0
5	10	-1.0	filam	20	20	3.8	5.0	109.7	153.0
5	10	-1.0	sarg	24	35	7.1	2.1	101.7	170.0
5	10	-1.0	folio	29	50	3.4	2.8	293.1	544.0
5	10	-1.0	seagr	25	80	1.5	3.0	239.0	0.0
5	10	-1.1	sarg	30	20	1.0	1.5	28.8	816.0
5	10	-1.1	sarg	50	35	6.0	6.0	547.0	0.0
5	10	-0.2	seagr	30	50	0.1	0.1	28.4	0.0
5	10	-0.2	seagr	25	80	1.5	0.1	87.6	0.0
5	10	0.4	seagr	25	70	1.5	0.5	82.0	0.0
5	10	0.4	seagr	35	80	2.0	0.5	363.4	0.0
5	10	0.3	seagr	40	100	6.0	1.5	797.2	0.0
5	12	-1.4	filam	-	20	0.1	0.1	9.0	0.0
5	12	-0.8	folio	-	20	0.1	0.0	3.7	0.0
5	12	-0.5	folio	-	15	0.1	0.1	14.0	0.0
5	12	-0.2	folio	-	15	1.0	0.4	66.7	0.0
5	12	0.1	folio	-	45	0.9	1.1	114.7	255.0
5	12	0.1	filam	-	35	4.4	4.4	112.0	306.0
5	12	0.1	seagr	-	100	4.0	3.0	82.1	0.0
5	12	0.1	folio	-	50	1.5	0.5	199.4	612.0
5	12	0.4	sarg	-	60	6.0	6.7	340.0	272.0
5	12	0.7	seagr	-	90	3.0	3.0	76.0	0.0
5	12	0.7	sarg	-	90	3.8	1.2	222.4	0.0
5	12	1.0	seagr	-	100	1.0	0.5	30.2	0.0
5	12	1.0	seagr	-	100	1.5	0.5	62.6	0.0
5	12	0.7	seagr	-	100	0.5	0.5	57.6	0.0
5	12	1.0	seagr	-	100	2.0	2.0	218.5	0.0
5	12	1.0	sarg	-	50	6.4	5.6	155.7	340.0
5	12	1.0	sarg	-	20	10.0	6.0	273.5	0.0
5	12	1.0	sarg	-	30	6.8	4.7	166.1	0.0
5	14	-2.9	folio	15	40	0.3	0.1	-	51.0
5	14	-2.3	folio	15	40	0.5	0.5	-	17.0
5	14	-2.3	folio	15	50	1.0	0.5	-	102.0
5	14	-1.7	folio	15	45	1.5	0.5	-	68.0
5	14	-1.4	sarg	30	15	2.0	2.0	-	170.0
5	14	-1.1	sarg	42	25	2.7	2.7	-	0.0
5	14	-1.4	filam	18	45	3.5	1.0	-	0.0

Table 4 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
5	14	-1.4	filam	10	10	2.0	0.5	-	0.0
5	14	-1.0	filam	15	30	6.0	4.0	-	0.0
5	14	-1.0	folio	15	50	1.0	0.5	-	340.0
5	14	-1.0	sarg	60	20	3.0	6.0	-	0.0
5	14	-1.0	filam	10	40	1.0	0.5	-	204.0
5	14	-0.7	sarg	50	20	5.0	4.0	-	170.0
5	14	-0.1	seagr	25	70	1.5	0.5	-	0.0
5	14	0.2	seagr	15	60	1.0	0.5	-	0.0
5	14	0.2	seagr	20	65	1.0	2.0	-	0.0
5	14	0.2	seagr	28	75	0.8	0.5	-	0.0
5	14	0.3	seagr	30	80	2.5	2.0	-	0.0
5	14	0.3	seagr	40	85	2.0	1.0	-	0.0
5	14	0.3	seagr	40	80	2.5	2.0	-	0.0
5	14	0.3	sarg	60	70	8.0	5.0	-	272.0
6	6	-1.7	seagr	45	10	0.5	0.1	36.4	0.0
6	6	-1.4	seagr	45	10	0.5	0.1	87.3	0.0
6	6	-1.3	filam	17	40	0.9	0.3	93.4	0.0
6	6	-1.3	filam	20	35	1.9	1.6	387.0	0.0
6	6	-1.3	seagr	42	25	1.0	6.0	413.7	0.0
6	6	-1.3	seagr	27	40	2.0	2.0	341.9	0.0
6	6	-0.6	seagr	45	30	1.5	0.5	332.2	0.0
6	6	-0.6	seagr	43	40	0.8	1.0	272.5	0.0
6	6	-0.5	seagr	45	50	1.0	4.0	383.1	0.0
6	6	-0.2	seagr	35	60	1.0	2.0	529.9	0.0
6	6	-0.1	seagr	30	40	1.0	2.0	397.9	0.0
6	6	-0.1	seagr	30	60	1.5	2.0	565.8	0.0
6	6	-0.1	seagr	40	70	1.5	7.0	817.2	0.0
6	6	0.3	seagr	40	80	3.0	5.0	1266.7	0.0
6	6	0.3	seagr	40	80	3.0	4.0	2294.2	0.0
6	6	0.4	seagr	35	80	2.0	3.0	1205.3	0.0
6	6	1.0	seagr	35	80	2.0	8.0	2454.6	0.0
6	6	1.1	seagr	30	70	2.0	3.0	913.0	0.0
6	6	0.8	sarg	45	90	4.0	7.0	1804.3	0.0
6	6	0.9	sarg	60	80	4.0	7.0	1592.6	0.0
6	6	0.9	seagr	20	50	0.5	0.1	117.6	0.0
6	6	1.3	seagr	20	50	1.0	0.5	206.8	0.0
6	6	1.6	seagr	15	100	2.0	2.0	637.7	0.0
6	6	1.7	seagr	10	20	0.5	0.1	58.1	0.0
6	8	-3.1	folio	10	40	0.2	0.5	125.1	0.3
6	8	-3.2	folio	13	50	5.0	5.0	976.7	136.0
6	8	-2.9	folio	15	40	4.0	2.0	513.2	102.0
6	8	-3.0	folio	13	55	5.0	5.0	768.6	170.0
6	8	-2.8	folio	15	60	5.0	3.0	1221.1	204.0
6	8	-2.5	folio	7	75	5.0	3.0	1206.1	637.5
6	8	-3.0	folio	7	50	4.0	2.5	309.6	68.0
6	8	-2.3	folio	11	60	3.5	1.5	286.7	51.0

Table 4 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
6	8	-2.1	seagr	16	96	3.3	0.7	283.7	0.0
6	8	-2.2	seagr	33	80	2.5	1.0	106.2	0.0
6	8	-2.2	seagr	36	80	3.5	3.0	193.6	0.0
6	8	-2.0	folio	12	65	4.0	0.5	153.0	0.0
6	8	-2.1	seagr	33	80	2.5	0.5	214.6	0.0
6	8	-1.8	seagr	40	90	4.0	3.5	800.8	0.0
6	8	-1.0	seagr	15	50	3.0	2.5	758.0	0.0
6	8	-1.4	seagr	15	50	3.0	4.0	1040.7	0.0
6	8	-1.7	seagr	15	40	3.0	4.0	676.4	0.0
6	8	-0.6	sarg	40	95	7.0	8.0	2252.0	17.0
6	8	-0.7	sarg	50	70	6.0	5.0	173.0	42.5
6	8	0.1	rockw	20	10	0.1	0.1	1.3	0.0
6	8	1.2	rockw	17	10	0.1	0.0	0.7	0.0
6	8	-0.1	seagr	33	100	2.0	2.0	223.5	0.0
6	8	-0.3	seagr	23	100	4.0	3.0	529.6	0.0
6	8	1.2	seagr	22	95	2.5	0.1	295.9	0.0
6	8	1.4	seagr	20	80	1.5	0.5	89.8	0.0
6	10	-2.2	folio	10	60	0.5	1.5	165.1	0.3
6	10	-2.0	seagr	35	10	0.0	0.1	37.7	0.0
6	10	-1.7	folio	25	60	2.0	5.0	1165.7	153.0
6	10	-1.1	seagr	30	20	1.5	0.5	277.2	0.0
6	10	-1.1	folio	14	50	1.4	0.8	428.8	51.0
6	10	-1.2	seagr	35	20	2.0	1.5	364.0	0.0
6	10	-0.9	seagr	25	20	1.5	1.0	322.5	0.0
6	10	-0.9	seagr	25	20	1.5	1.0	273.3	0.0
6	10	-0.7	seagr	30	30	2.0	2.5	450.4	0.0
6	10	-0.4	seagr	26	31	1.9	2.9	309.5	0.0
6	10	-0.4	seagr	30	20	0.5	1.5	402.6	0.0
6	10	-0.5	seagr	50	35	2.0	4.0	582.1	0.0
6	10	-0.2	seagr	25	40	3.0	2.0	522.1	0.0
6	10	-0.2	seagr	25	50	4.0	4.0	1066.9	0.0
6	10	0.1	seagr	30	75	6.0	6.0	1559.1	0.0
6	10	0.4	seagr	25	50	4.0	2.5	637.2	0.0
6	10	0.3	seagr	20	40	4.0	3.5	445.8	0.0
6	10	0.3	seagr	25	40	3.0	4.0	558.8	0.0
6	10	1.5	sarg	60	80	6.0	8.0	2155.2	51.0
6	10	1.5	seagr	15	10	0.1	0.1	110.7	0.0
6	10	1.8	seagr	30	30	1.5	2.0	335.8	0.0
6	10	1.8	seagr	25	30	1.5	-	-	0.0
6	10	1.7	seagr	20	30	1.0	-	-	0.0
6	12	-2.0	folio	20	10	0.1	0.0	16.9	0.0
6	12	-2.0	filam	19	15	0.7	0.3	39.4	0.0
6	12	-2.0	seagr	40	5	0.0	0.0	8.8	0.0
6	12	-1.7	folio	9	6	0.1	0.1	45.3	0.0
6	12	-0.8	folio	15	30	0.5	0.5	143.4	0.0
6	12	-0.8	seagr	29	31	1.5	1.5	295.5	0.0

Table 4 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
6	12	-0.8	folio	20	30	0.5	0.5	144.8	0.0
6	12	-0.8	seagr	40	10	0.5	0.5	92.4	0.0
6	12	-0.5	seagr	40	10	0.5	0.1	64.1	0.0
6	12	-0.5	seagr	20	15	1.0	1.5	303.7	0.0
6	12	-0.2	seagr	35	10	1.0	1.0	111.7	0.0
6	12	-0.1	seagr	40	5	0.1	0.5	86.5	0.0
6	12	-0.1	seagr	35	10	2.0	2.5	10.7	0.0
6	12	0.4	seagr	20	10	2.0	2.0	139.3	0.0
6	12	0.4	seagr	40	15	1.0	1.0	222.6	0.0
6	12	0.4	seagr	40	15	1.0	1.0	109.2	0.0
6	12	0.7	seagr	30	20	3.0	3.0	231.0	0.0
6	12	1.0	seagr	20	30	5.0	5.0	76.0	0.0
6	12	1.0	sarg	60	40	8.0	10.0	1117.1	0.0
6	12	2.2	sarg	60	40	6.0	6.0	477.2	102.0
6	12	2.2	seagr	12	15	3.7	2.3	106.9	0.0
6	12	2.2	seagr	15	40	2.0	0.5	153.2	0.0
6	12	2.1	seagr	15	40	2.0	2.0	204.5	0.0
6	12	2.1	seagr	12	30	1.0	1.0	24.5	0.0
6	12	2.1	seagr	20	15	1.0	1.0	37.1	0.0
6	12	2.1	seagr	20	10	0.1	0.1	10.2	0.0
6	14	-1.4	folio	20	25	0.5	1.0	-	0.0
6	14	-1.4	folio	30	30	1.0	1.0	-	102.0
6	14	-1.1	seagr	50	5	0.1	0.1	-	0.0
6	14	-1.4	folio	15	30	1.0	1.0	-	0.0
6	14	-1.0	seagr	20	5	0.5	1.0	-	0.0
6	14	-0.7	seagr	35	5	1.5	0.5	-	0.0
6	14	-0.4	seagr	20	5	2.0	3.0	-	0.0
6	14	-0.4	seagr	50	10	2.0	1.5	-	0.0
6	14	-0.4	seagr	35	15	4.0	2.0	-	0.0
6	14	-0.1	folio	20	30	4.0	2.0	-	0.0
6	14	-0.1	seagr	30	5	1.5	1.0	-	0.0
6	14	0.2	folio	10	30	1.0	1.5	-	34.0
6	14	0.2	folio	15	30	1.0	1.0	-	0.0
6	14	0.3	seagr	20	60	6.0	5.0	-	0.0
6	14	0.3	seagr	25	60	6.0	4.0	-	0.0
6	14	0.6	seagr	25	60	8.0	8.0	-	0.0
6	14	0.6	seagr	35	40	6.0	6.0	-	0.0
6	14	0.9	seagr	30	50	6.0	4.0	-	0.0
6	14	1.8	sarg	100	40	5.0	8.0	-	102.0
6	14	1.8	sarg	40	40	4.0	6.0	-	0.0
6	14	1.8	seagr	20	40	3.0	4.0	-	0.0
6	14	1.8	seagr	20	20	1.5	0.5	-	0.0
6	14	1.8	seagr	15	20	0.1	0.5	-	0.0
6	14	1.9	seagr	15	10	0.0	0.5	-	0.0
7	4	-3.5	seagr	25	10	0.1	0.0	0.0	0.0
7	4	-2.9	seagr	30	20	0.8	0.3	78.7	0.0

Table 4 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
7	4	-3.0	seagr	30	30	0.5	0.5	49.0	0.0
7	4	-3.0	seagr	30	30	0.5	0.5	49.0	0.0
7	4	-2.4	seagr	30	35	1.5	0.5	103.1	0.0
7	4	-2.1	seagr	30	35	1.5	2.0	182.7	0.0
7	4	-2.3	seagr	30	35	1.5	1.0	122.0	0.0
7	4	-1.3	seagr	30	70	2.0	2.0	193.4	0.0
7	4	-0.8	seagr	35	70	2.5	3.0	333.9	0.0
7	4	-0.8	seagr	30	30	0.5	0.8	48.1	0.0
7	4	-1.5	seagr	30	35	1.5	2.0	177.8	0.0
7	4	-0.9	seagr	30	25	1.5	1.5	84.2	0.0
7	4	-0.3	seagr	30	70	2.0	1.0	219.9	0.0
7	4	-0.0	sarg	50	20	8.0	6.0	187.1	0.0
7	6	-1.8	seagr	-	40	1.5	0.1	21.3	0.0
7	6	-0.9	seagr	-	10	0.5	0.1	14.8	0.0
7	6	-0.4	seagr	-	60	0.5	0.5	100.1	0.0
7	6	-0.4	seagr	-	50	1.5	0.5	121.5	0.0
7	6	-0.1	seagr	-	70	1.5	2.0	174.1	0.0
7	6	0.2	seagr	-	50	2.0	1.0	126.9	0.0
7	6	0.8	seagr	-	30	1.0	0.3	67.1	0.0
7	6	0.7	seagr	-	50	1.5	3.0	151.0	0.0
7	6	0.7	seagr	-	50	3.0	1.5	271.6	0.0
7	6	1.0	seagr	-	40	1.0	2.0	196.6	0.0
7	6	1.2	seagr	-	90	4.0	3.0	417.8	0.0
7	6	1.8	sarg	-	50	10.0	6.0	1416.0	0.0
7	6	1.7	sarg	-	80	7.0	6.0	3112.8	0.0
7	6	1.7	sarg	-	5	7.0	6.0	51.1	238.0
7	6	1.6	rockw	-	10	3.0	2.0	66.2	34.0
7	8	-3.9	seagr	25	15	0.1	0.1	22.3	0.0
7	8	-2.4	seagr	25	15	0.1	0.1	34.8	0.0
7	8	-2.1	seagr	25	25	0.5	0.3	56.3	0.0
7	8	-1.8	seagr	25	40	3.0	0.5	55.5	0.0
7	8	-1.9	seagr	25	40	0.2	0.5	58.1	0.0
7	8	-1.9	seagr	30	65	3.0	2.0	131.3	0.0
7	8	-1.6	seagr	25	35	2.0	1.0	114.6	0.0
7	8	-1.0	seagr	40	30	2.0	2.0	44.4	0.0
7	8	-1.0	seagr	35	25	4.0	1.5	175.4	0.0
7	8	-1.0	seagr	40	50	5.0	2.0	224.5	0.0
7	8	-1.0	seagr	30	60	4.0	2.0	265.1	0.0
7	8	-1.0	seagr	40	80	5.0	5.0	572.1	0.0
7	8	-1.1	sarg	50	25	8.0	7.0	158.6	0.0
7	8	1.6	rockw	30	30	3.0	2.0	40.0	0.0
7	10	-1.5	seagr	-	30	0.1	0.1	5.7	0.0
7	10	-1.1	seagr	-	80	0.7	1.0	77.8	0.0
7	10	-0.8	seagr	-	60	0.7	0.7	70.4	0.0
7	10	-0.5	seagr	-	20	1.5	2.0	96.5	0.0
7	10	-0.2	seagr	-	50	2.0	0.5	89.2	0.0

Table 4 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
7	10	0.1	seagr	-	50	3.0	3.0	114.1	0.0
7	10	0.4	seagr	-	80	4.0	4.0	266.4	0.0
7	10	0.4	seagr	-	95	1.5	3.0	247.7	0.0
7	10	0.4	seagr	-	10	0.5	1.0	54.5	0.0
7	10	0.4	seagr	-	60	0.5	1.0	62.6	0.0
7	10	0.7	rockw	-	5	0.8	1.5	1.4	0.0
7	10	0.7	rockw	-	25	1.5	1.5	61.8	68.0
7	10	0.7	rockw	-	5	0.5	1.0	0.6	0.0
7	12	-2.8	seagr	30	20	2.0	0.5	24.3	0.0
7	12	-2.5	seagr	30	20	2.0	1.0	53.5	0.0
7	12	-2.2	seagr	25	15	2.0	0.5	75.5	0.0
7	12	-1.9	seagr	25	30	2.5	0.3	130.0	0.0
7	12	-1.9	seagr	25	40	2.0	2.0	133.2	0.0
7	12	-1.9	seagr	30	65	2.0	1.5	273.5	0.0
7	12	-1.9	seagr	25	20	1.5	0.5	63.2	0.0
7	12	-1.2	seagr	38	25	2.9	2.3	83.4	0.0
7	12	-0.9	seagr	20	15	2.0	1.5	85.5	0.0
7	12	-0.6	seagr	25	65	2.5	2.0	180.8	0.0
7	12	-0.3	kelp	69	45	0.6	0.4	160.6	306.0
7	12	0.3	seagr	25	20	0.5	1.0	35.8	0.0
7	12	0.3	sarg	20	5	7.0	5.0	13.1	127.5
7	12	0.3	sarg	35	10	6.0	4.0	37.3	204.0
7	12	0.3	rockw	20	20	2.0	2.0	71.9	119.0
8	4	-0.5	kelp	120	60	0.1	0.1	39.7	0.0
8	4	-0.3	filam	10	85	4.5	5.0	1381.1	17.0
8	4	0.2	folio	11	55	4.7	2.0	833.3	34.0
8	4	2.1	folio	13	90	2.7	3.0	307.9	204.0
8	4	2.8	sarg	19	45	2.6	3.0	779.2	816.0
8	4	3.2	rockw	15	80	3.0	2.0	1878.2	340.0
8	4	3.2	rockw	15	90	2.0	2.0	810.3	204.0
8	4	3.3	rockw	15	75	1.0	2.0	672.6	170.0
8	6	-1.8	filam	29	20	0.1	0.0	21.6	0.0
8	6	-1.9	filam	18	35	3.0	1.7	325.1	0.0
8	6	-1.0	filam	14	60	5.0	6.4	1692.8	51.0
8	6	-1.0	folio	18	60	2.9	2.6	1368.2	204.0
8	6	-0.8	folio	15	30	3.3	2.7	737.9	51.0
8	6	-0.2	filam	23	60	4.0	2.0	1692.6	153.0
8	6	1.0	filam	32	45	4.2	6.2	1323.8	408.0
8	6	0.9	sarg	30	30	3.7	2.3	288.0	68.0
8	6	1.5	rockw	20	50	5.0	3.0	577.9	340.0
8	6	1.1	rockw	20	20	3.0	2.0	657.0	1088.0
8	6	2.3	rockw	10	25	5.0	2.0	391.6	765.0
8	6	2.5	rockw	10	20	2.0	3.0	463.1	136.0
8	6	2.8	rockw	20	70	4.0	4.0	1051.9	102.0
8	6	3.1	rockw	15	70	3.0	1.0	447.3	68.0
8	8	-1.9	folio	63	40	3.9	2.1	996.4	476.0

Table 4 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
8	8	-1.0	filam	11	40	3.7	2.3	827.5	408.0
8	8	-1.0	filam	13	60	2.5	3.8	567.2	204.0
8	8	-0.7	filam	10	90	5.5	2.9	1165.3	51.0
8	8	-0.1	filam	11	90	3.7	3.7	1820.6	51.0
8	8	0.5	sarg	50	45	5.9	3.1	1593.4	1.7
8	8	1.0	filam	10	16	1.5	0.2	26.9	6.8
8	8	1.9	rockw	20	20	2.0	2.5	268.5	20.4
8	8	2.2	rockw	30	40	3.0	3.0	530.7	612.0
8	8	2.5	rockw	30	40	3.0	1.5	580.7	612.0
8	8	2.7	rockw	30	40	2.0	1.5	478.1	612.0
8	10	-2.0	filam	25	15	2.0	1.0	97.0	0.0
8	10	-1.9	filam	13	30	1.8	1.2	129.1	0.0
8	10	-1.9	filam	12	35	5.5	4.1	1176.0	0.3
8	10	-0.1	folio	9	60	1.1	2.3	877.4	0.5
8	10	-0.1	filam	9	35	1.9	2.1	923.2	76.5
8	10	-0.1	folio	12	60	1.0	1.0	263.2	51.0
8	10	0.6	folio	14	70	4.2	3.4	1088.2	204.0
8	10	0.8	folio	40	30	2.1	0.2	59.6	34.0
8	10	2.1	rockw	20	30	2.0	2.0	104.7	0.0
8	10	2.4	rockw	20	75	3.0	2.5	655.6	51.0
8	10	2.7	rockw	20	50	3.0	2.5	717.4	136.0
8	10	3.0	rockw	30	40	1.0	2.5	776.3	68.0
8	12	-1.8	folio	45	40	0.7	0.2	115.3	0.0
8	12	-1.8	folio	10	55	2.0	2.0	292.9	204.0
8	12	-0.9	folio	13	40	3.4	3.3	1085.5	204.0
8	12	-0.2	filam	11	60	1.6	1.6	449.5	102.0
8	12	-0.2	filam	8	60	2.8	1.4	363.6	76.5
8	12	0.4	folio	14	90	2.8	3.0	802.3	25.5
8	12	1.0	filam	40	25	6.0	6.1	355.6	544.0
8	12	1.3	rockw	30	70	1.5	3.0	722.0	68.0
8	12	2.3	rockw	30	70	1.5	1.5	1263.0	34.0
8	12	2.3	rockw	30	60	1.5	-	-	34.0
8	12	2.9	rockw	20	50	0.5	0.5	164.1	8.5
9	6	0.2	sarg	39	50	1.0	0.6	234.8	3.4
9	6	0.1	filam	21	45	1.4	0.1	211.2	3.4
9	6	0.0	filam	7	55	1.8	1.4	642.2	34.0
9	6	0.2	sarg	27	60	2.1	3.2	910.1	170.0
9	6	0.5	folio	10	80	1.5	2.4	948.7	68.0
9	6	0.4	filam	17	60	2.6	5.8	2197.1	68.0
9	6	0.6	sarg	36	30	3.0	8.3	1608.4	34.0
9	6	0.5	sarg	63	80	3.0	8.0	4124.3	68.0
9	6	0.4	filam	14	50	2.2	3.4	717.1	34.0
9	6	0.9	sarg	40	50	2.9	7.4	1387.9	102.0
9	6	0.9	sarg	74	50	3.0	8.0	2938.5	68.0
9	6	1.3	sarg	90	90	3.0	7.0	4611.3	34.0
9	6	1.3	rockw	15	30	1.5	4.0	45.7	0.0

Table 4 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
9	6	1.7	rockw	10	90	0.5	1.5	486.5	0.0
9	6	1.6	rockw	13	80	0.5	3.0	326.2	0.0
9	10	-1.1	sarg	32	70	7.5	6.4	972.5	0.5
9	10	-0.6	sarg	37	90	5.9	7.8	590.8	34.0
9	10	-0.6	sarg	30	10	10.0	9.0	493.7	0.3
9	10	-0.6	sarg	35	40	6.6	8.0	339.0	3.4
9	10	-0.9	filam	23	50	6.6	6.6	1275.1	0.3
9	10	-0.6	sarg	70	50	6.0	8.0	53.2	51.0
9	10	-0.6	sarg	45	80	6.9	9.1	2152.3	51.0
9	10	-0.6	sarg	50	20	6.0	8.0	673.4	34.0
9	10	-0.3	sarg	60	50	6.0	10.0	1141.6	102.0
9	10	-0.3	sarg	61	65	5.9	7.7	1767.0	23.8
9	10	0.3	sarg	54	75	5.9	7.9	3084.6	170.0
9	10	0.0	filam	23	75	5.3	4.5	957.2	3.4
9	10	-0.6	sarg	47	70	6.0	6.0	635.0	0.0
9	10	0.0	sarg	35	80	6.3	7.7	1969.6	0.0
9	10	0.3	filam	27	30	3.8	2.3	365.2	0.0
9	10	0.0	sarg	55	20	1.5	3.5	1342.2	0.0
9	10	0.0	sarg	66	25	3.9	4.4	1227.6	0.0
9	10	-0.0	sarg	100	20	4.0	4.0	2127.3	34.0
9	10	0.6	sarg	110	15	4.0	4.0	605.9	0.0
9	10	0.6	sarg	100	30	3.0	4.0	1198.8	3.4
9	10	0.9	sarg	110	60	2.0	7.0	545.8	0.0
9	10	2.0	rockw	12	60	0.5	0.5	149.3	3.4
9	12	-0.7	folio	23	30	6.0	4.7	655.3	34.0
9	12	-0.1	sarg	42	25	7.0	9.7	1344.9	34.0
9	12	-0.1	sarg	37	45	7.8	8.7	1982.0	51.0
9	12	-0.4	sarg	81	27	6.0	7.0	938.8	0.0
9	12	-0.1	sarg	65	40	7.0	8.0	946.2	3.4
9	12	-0.4	sarg	42	22	4.6	5.3	335.8	0.0
9	12	-0.4	sarg	43	45	5.2	6.0	591.8	0.0
9	12	-0.0	sarg	56	45	7.9	10.0	2245.4	34.0
9	12	-0.0	sarg	110	30	6.0	6.0	975.6	102.0
9	12	-0.0	sarg	88	41	6.0	8.0	220.7	68.0
9	12	-0.0	filam	42	31	3.5	4.0	386.9	0.0
9	12	-0.0	sarg	29	20	1.4	4.9	302.8	0.0
9	12	-0.0	sarg	90	25	5.9	8.0	423.0	0.0
9	12	-0.0	sarg	66	35	4.9	3.0	544.6	0.0
9	12	0.3	sarg	100	30	4.0	6.0	448.2	0.0
9	12	0.6	sarg	81	40	2.8	3.2	812.9	0.0
9	12	0.6	sarg	103	45	3.0	4.0	830.3	34.0
9	12	1.2	sarg	100	40	4.0	5.0	993.7	0.0
9	12	0.9	sarg	70	5	5.0	1.0	57.7	0.0
9	14	-0.9	sarg	31	40	5.9	6.0	-	17.0
9	14	-0.3	filam	22	65	5.4	7.0	-	0.0
9	14	-0.4	sarg	110	60	6.0	7.0	-	68.0

Table 4 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
9	14	-0.1	sarg	48	70	7.8	8.0	-	68.0
9	14	-0.1	sarg	64	40	5.8	7.8	-	0.0
9	14	-0.1	sarg	51	30	5.9	5.8	-	0.0
9	14	-0.1	sarg	52	50	5.8	6.0	-	0.0
9	14	0.2	sarg	80	80	6.0	6.0	-	136.0
9	14	0.2	folio	15	50	1.0	0.5	-	0.0
9	14	0.2	sarg	25	45	3.6	3.5	-	0.0
9	14	0.2	sarg	63	20	1.8	2.9	-	0.0
9	14	0.2	sarg	56	35	2.6	4.0	-	0.0
9	14	0.2	sarg	78	30	3.9	4.9	-	0.0
9	14	0.2	sarg	77	55	3.0	2.4	-	0.0
9	14	0.5	sarg	56	25	3.0	3.0	-	0.0
9	14	0.5	sarg	50	35	4.5	3.4	-	0.0
9	14	0.7	sarg	58	25	3.9	1.9	-	0.0
9	14	0.7	sarg	100	30	2.0	4.0	-	0.0
9	14	1.0	sarg	45	20	2.7	2.7	-	0.0
9	14	2.0	rockw	15	30	0.5	1.5	-	0.0
10	6	-0.9	sarg	33	35	0.2	0.4	58.7	0.0
10	6	-0.4	sarg	43	60	0.5	2.4	146.2	0.0
10	6	0.1	sarg	60	70	3.0	5.0	168.5	68.0
10	6	0.1	sarg	75	90	5.0	5.0	1914.7	34.0
10	6	-0.0	sarg	70	70	5.0	4.0	1763.5	34.0
10	6	-0.1	filam	10	50	1.0	1.0	65.3	0.0
10	6	-0.2	sarg	75	100	6.0	6.0	2662.9	34.0
10	6	-0.3	sarg	35	65	3.7	8.2	561.4	68.0
10	6	-0.4	sarg	50	40	3.3	5.0	654.7	34.0
10	6	1.1	sarg	40	100	6.0	6.0	1354.4	136.0
10	6	1.3	rockw	15	80	2.0	3.0	768.1	170.0
10	6	1.3	rockw	20	80	3.0	4.0	1005.3	255.0
10	6	1.5	rockw	17	75	0.8	0.5	179.3	0.0
10	6	1.4	rockw	20	50	2.0	5.0	221.9	170.0
10	6	1.6	sarg	30	60	5.0	5.0	412.2	0.0
10	6	1.6	sarg	25	75	8.0	6.0	3115.0	102.0
10	6	1.5	sarg	35	85	6.0	9.0	2905.4	0.0
10	10	-1.2	folio	25	70	0.1	0.3	49.4	0.0
10	10	-1.2	sarg	70	35	2.0	2.0	185.6	0.0
10	10	-1.2	filam	25	90	1.8	0.8	397.1	0.0
10	10	-1.2	filam	20	100	0.1	0.1	70.8	0.0
10	10	-0.6	sarg	70	85	5.0	5.0	2354.5	85.0
10	10	-0.6	sarg	50	80	6.0	6.0	1167.1	0.0
10	10	-0.6	sarg	39	70	5.8	5.8	1086.0	0.0
10	10	-0.6	sarg	40	50	6.0	6.0	695.3	340.0
10	10	-0.3	sarg	34	80	7.6	6.7	369.7	51.0
10	10	0.3	rockw	15	25	2.0	2.0	33.4	51.0
10	10	1.0	rockw	18	60	1.9	1.9	596.0	17.0
10	10	1.0	rockw	20	30	2.0	2.0	244.8	0.0

Table 4 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
10	10	1.0	rockw	19	70	1.4	1.4	234.2	0.0
10	10	0.9	sarg	20	70	5.0	2.8	107.0	0.0
10	10	0.9	sarg	30	60	4.0	0.5	47.6	0.0
10	10	0.9	sarg	20	15	0.1	0.1	13.2	0.0
10	12	0.5	sarg	-	40	0.1	0.4	7.7	0.0
10	12	0.5	filam	-	100	0.2	0.0	24.0	0.0
10	12	0.2	filam	-	50	1.2	1.2	54.9	0.0
10	12	0.6	sarg	-	70	3.5	3.4	756.0	0.0
10	12	0.6	sarg	-	90	6.0	5.0	1495.9	34.0
10	12	0.6	sarg	-	60	4.0	4.0	350.0	34.0
10	12	0.9	sarg	-	30	2.0	2.0	66.3	0.0
10	12	1.2	rockw	-	25	2.8	1.5	25.9	0.0
10	12	1.8	rockw	-	80	2.0	1.0	4.3	0.0
10	12	1.8	rockw	-	20	2.0	2.0	49.1	68.0
10	12	1.8	rockw	-	30	1.0	0.7	24.6	0.0
10	12	1.8	rockw	-	90	1.5	1.5	85.8	0.0
10	12	1.8	filam	-	80	0.5	0.0	3.2	0.0
10	12	1.8	sarg	-	70	0.5	0.3	20.8	0.0
10	12	1.8	sarg	-	70	1.0	0.5	15.9	0.0
10	12	1.9	filam	-	2	0.5	0.1	24.9	0.0
10	14	-0.4	folio	18	75	0.6	0.1	-	0.0
10	14	-0.4	sarg	50	100	7.0	7.0	-	17.0
10	14	-0.4	sarg	50	100	6.0	6.0	-	0.0
10	14	-0.4	sarg	50	90	6.0	4.0	-	0.0
10	14	-0.4	rockw	20	30	1.0	7.0	-	0.0
10	14	-0.4	rockw	20	80	2.0	2.0	-	17.0
10	14	-0.1	rockw	20	50	1.0	1.5	-	0.0
10	14	-0.1	rockw	20	40	1.0	1.0	-	34.0
10	14	0.2	rockw	30	40	1.5	1.5	-	0.0
10	14	0.5	sarg	30	40	1.5	0.5	-	0.0
10	14	0.8	sarg	30	25	2.0	0.5	-	0.0
10	14	0.8	sarg	30	15	0.0	0.0	-	0.0
10	14	1.7	filam	10	35	2.0	0.5	-	0.0
10	14	2.0	filam	5	60	2.0	0.5	-	0.0
10	14	2.0	sarg	20	60	2.0	1.1	-	0.0

Table 5. Observations and measurements for quadrats sampled for herring spawn in Lambert Channel in 1990.

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
1	2	1.0	seagr	15	15	1.4	0.5	99.3	0.0
1	2	0.8	seagr	25	5	1.5	0.4	32.3	0.0
1	2	0.7	seagr	25	10	1.5	1.4	199.9	0.0
1	2	0.5	filam	18	60	4.4	4.8	913.1	1020.0
1	2	0.4	folio	13	50	2.7	3.0	620.0	510.0
1	2	0.3	folio	15	40	1.3	1.1	186.5	1020.0
1	2	0.1	folio	23	65	1.2	1.0	224.7	1020.0
1	2	-0.0	folio	19	40	1.1	1.4	289.0	306.0
1	2	-0.2	folio	21	40	1.6	2.2	518.5	510.0
1	2	-0.3	filam	8	45	1.6	1.5	407.1	306.0
1	2	-0.4	folio	15	65	2.2	2.0	790.8	510.0
1	2	-0.6	sarg	24	35	5.1	6.8	484.6	102.0
1	2	-0.9	seagr	20	10	0.8	0.0	40.4	0.0
1	2	-1.0	seagr	20	15	0.8	0.1	75.9	0.0
1	2	-1.1	sarg	15	20	4.2	3.0	66.0	0.0
1	2	-1.3	folio	10	40	0.8	0.8	199.9	510.0
1	2	-1.4	filam	14	40	1.7	2.5	211.6	850.0
1	2	-1.6	folio	15	30	0.5	0.2	59.3	408.0
1	2	-1.7	folio	10	40	1.8	1.5	133.8	459.0
1	2	-1.8	folio	10	10	0.5	0.3	73.7	102.0
1	2	-2.0	filam	7	30	1.9	0.8	314.6	680.0
1	2	-2.1	filam	17	30	2.0	1.4	330.9	680.0
1	2	-2.3	filam	10	45	0.7	0.3	49.9	255.0
1	3	1.0	rockw	15	10	0.5	0.8	32.4	0.0
1	3	0.8	sarg	20	30	8.0	7.0	117.7	68.0
1	3	0.7	sarg	30	40	8.0	8.0	1119.5	1020.0
1	3	0.5	seagr	15	15	0.5	0.5	109.5	0.0
1	3	-0.0	seagr	15	20	2.0	2.5	417.8	0.0
1	3	-0.2	seagr	15	20	2.5	3.0	527.1	0.0
1	3	-0.3	seagr	15	20	3.0	1.5	457.1	0.0
1	3	-0.4	filam	9	50	2.4	1.2	543.8	0.0
1	3	-0.6	folio	9	40	4.2	2.3	869.9	1360.0
1	3	-0.7	filam	12	41	5.4	4.8	931.1	510.0
1	3	-0.9	filam	15	55	5.5	3.7	2818.0	85.0
1	3	-1.0	filam	11	70	4.3	3.3	2020.6	510.0
1	3	-1.1	filam	15	65	4.8	2.1	1596.7	2040.0
1	3	-1.3	filam	11	95	4.1	2.4	2112.3	680.0
1	3	-1.4	folio	13	70	1.8	2.2	871.3	680.0
1	3	-1.6	filam	12	65	2.2	1.4	718.2	850.0
1	3	-1.7	filam	9	10	1.9	1.0	122.7	510.0
1	3	-1.8	folio	20	80	2.0	1.5	1444.0	850.0
1	3	-2.0	folio	15	35	2.5	2.5	431.6	255.0
1	3	-2.1	folio	17	25	1.6	1.0	320.2	408.0
1	3	-2.3	filam	8	30	3.4	1.7	713.5	680.0
1	4	1.0	rockw	12	30	1.5	2.0	239.1	0.0

Table 5 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
1	4	0.8	filam	13	23	3.6	2.8	185.2	0.0
1	4	0.7	seagr	20	50	3.5	3.5	1155.9	0.0
1	4	0.5	seagr	20	20	0.5	0.1	44.5	0.0
1	4	0.3	seagr	20	25	3.0	1.5	360.7	0.0
1	4	0.1	seagr	30	30	3.0	2.0	407.9	0.0
1	4	-0.0	seagr	25	30	3.0	1.5	481.2	0.0
1	4	-0.2	seagr	25	30	2.0	2.0	581.7	0.0
1	4	-0.3	seagr	20	20	0.5	0.8	70.2	0.0
1	4	-0.4	folio	19	40	4.0	4.4	1666.3	1020.0
1	4	-0.6	folio	19	70	3.1	2.2	2881.2	1020.0
1	4	-0.7	filam	10	80	4.0	4.0	1778.8	425.0
1	4	-0.9	filam	15	85	3.8	3.8	846.6	272.0
1	4	-1.0	filam	14	45	3.7	2.8	694.7	680.0
1	4	-1.1	filam	17	90	2.2	2.2	1316.8	340.0
1	4	-1.3	folio	15	30	1.5	1.0	507.5	0.0
1	4	-1.4	folio	20	50	2.5	2.0	411.4	1020.0
1	4	-1.6	filam	15	70	2.3	2.3	1000.4	51.0
1	4	-1.7	filam	15	60	5.0	3.0	1608.1	0.0
1	4	-1.8	filam	11	65	3.6	3.5	2283.1	340.0
1	4	-2.0	folio	15	50	1.5	1.5	678.0	340.0
1	4	-2.1	filam	15	10	0.5	0.0	18.6	0.0
1	5	1.0	rockw	18	40	3.0	2.5	703.7	0.0
1	5	0.8	sarg	40	20	8.0	8.0	758.1	340.0
1	5	0.3	seagr	20	30	4.0	3.5	501.4	0.0
1	5	0.1	seagr	20	40	4.0	2.0	436.0	0.0
1	5	-0.0	seagr	20	50	5.0	2.5	620.0	0.0
1	5	-0.3	filam	16	45	3.0	2.2	279.7	680.0
1	5	-0.4	filam	11	70	5.6	2.9	1454.8	1360.0
1	5	-0.6	filam	11	100	6.9	5.7	2389.0	272.0
1	5	-0.7	filam	10	95	6.5	3.8	2379.5	459.0
1	5	-0.9	filam	8	90	6.0	3.5	1759.6	340.0
1	5	-1.0	filam	12	60	8.0	4.0	1942.0	510.0
1	5	-1.1	folio	13	55	3.0	0.9	962.1	1360.0
1	5	-1.3	filam	13	50	3.3	2.3	450.6	1020.0
1	5	-1.4	folio	14	50	1.2	1.1	141.1	102.0
1	5	-1.6	seagr	20	30	2.0	1.5	122.2	0.0
1	5	-1.7	folio	16	50	2.1	2.5	834.1	680.0
1	5	-1.8	filam	16	75	2.0	2.1	816.2	680.0
1	5	-2.0	filam	10	80	3.3	3.8	1785.6	510.0
1	5	-2.1	folio	25	30	0.5	0.5	402.1	340.0
1	7	1.0	rockw	10	10	1.5	1.5	31.0	255.0
1	7	0.8	rockw	15	15	1.5	1.5	33.5	0.0
1	7	0.7	seagr	20	40	2.5	2.0	639.6	0.0
1	7	0.5	seagr	20	30	0.8	1.0	113.8	0.0
1	7	0.3	seagr	20	30	1.0	1.5	188.1	0.0
1	7	0.1	seagr	20	30	2.5	2.5	263.2	0.0

Table 5 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
1	7	-0.0	seagr	25	30	1.0	2.0	151.5	0.0
1	7	-0.2	seagr	30	20	0.1	0.1	87.5	0.0
1	7	-0.3	sarg	40	70	1.6	2.8	804.9	544.0
1	7	-0.4	filam	19	30	0.6	0.4	75.7	0.0
1	7	-0.6	folio	19	85	4.0	4.0	2433.7	1360.0
1	7	-0.7	filam	14	50	2.6	2.1	503.7	340.0
1	7	-0.9	seagr	17	30	0.8	0.8	208.4	0.0
1	7	-1.0	filam	12	70	3.5	1.8	1127.4	680.0
1	7	-1.1	folio	16	55	2.1	2.0	904.6	918.0
1	7	-1.3	filam	14	95	3.3	3.4	1235.6	1020.0
1	7	-1.4	filam	13	60	2.4	1.4	745.8	1020.0
1	7	-1.6	filam	15	45	3.2	3.6	524.7	306.0
1	7	-1.7	filam	11	100	3.5	3.5	1293.9	918.0
1	7	-1.8	filam	10	40	3.0	3.0	333.8	34.0
1	7	-2.0	folio	16	35	0.6	0.1	101.5	510.0
1	9	1.0	rockw	15	5	0.1	0.0	0.4	0.0
1	9	0.8	rockw	20	5	2.0	1.5	19.0	0.0
1	9	0.7	seagr	25	40	2.0	2.0	466.3	0.0
1	9	0.1	seagr	30	25	1.5	0.8	156.7	0.0
1	9	-0.0	seagr	25	30	2.0	1.0	36.8	0.0
1	9	-0.2	seagr	15	25	2.0	0.8	113.3	0.0
1	9	-0.3	kelp	57	97	0.1	0.2	49.9	510.0
1	9	-0.4	folio	10	60	3.5	4.0	982.3	680.0
1	9	-0.6	folio	20	40	2.5	1.0	917.5	510.0
1	9	-0.7	filam	10	45	2.7	1.8	171.7	68.0
1	9	-0.9	filam	8	95	3.1	1.9	754.6	510.0
1	9	-1.0	filam	9	55	3.4	1.8	671.4	204.0
1	9	-1.1	filam	14	100	0.9	1.2	378.2	850.0
1	9	-1.3	filam	9	100	3.5	2.4	1619.2	1360.0
1	9	-1.4	filam	10	45	2.3	1.6	305.0	102.0
1	9	-1.6	folio	18	40	2.4	1.1	185.4	170.0
1	9	-1.7	filam	12	70	2.7	1.7	1216.8	510.0
1	9	-1.8	filam	10	75	2.1	1.9	915.8	102.0
1	9	-2.0	filam	14	90	1.6	0.7	553.1	680.0
1	9	-2.1	folio	15	65	1.7	0.6	174.4	340.0
1	11	1.0	rockw	15	30	1.0	2.0	49.9	0.0
1	11	0.8	rockw	20	40	2.5	1.5	459.7	85.0
1	11	0.7	seagr	25	50	2.0	1.5	462.3	0.0
1	11	0.5	seagr	20	30	1.0	0.1	28.9	0.0
1	11	0.3	seagr	20	40	1.5	0.1	141.0	0.0
1	11	0.1	seagr	25	50	2.0	0.8	262.2	0.0
1	11	-0.0	seagr	20	20	1.0	0.3	5.3	0.0
1	11	-0.2	seagr	25	50	1.5	0.3	91.9	0.0
1	11	-0.3	folio	20	60	1.5	1.0	806.1	680.0
1	11	-0.4	folio	10	50	3.5	4.0	368.3	510.0
1	11	-0.6	folio	15	65	3.5	2.5	785.7	306.0

Table 5 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
1	11	-0.7	folio	13	60	3.3	1.5	296.7	612.0
1	11	-0.9	filam	10	80	3.3	1.9	674.4	68.0
1	11	-1.0	seagr	20	50	1.0	0.5	65.6	0.0
1	11	-1.1	folio	15	60	3.0	2.0	1143.3	1020.0
1	11	-1.3	folio	13	40	2.0	2.0	642.1	170.0
1	11	-1.4	folio	17	60	2.4	4.6	1298.3	918.0
1	11	-1.6	filam	10	60	1.7	1.6	492.4	680.0
1	11	-1.7	folio	15	70	2.0	1.9	593.8	68.0
1	11	-2.0	folio	15	55	1.1	1.3	276.2	459.0
1	11	-2.1	folio	15	30	0.5	0.5	103.3	510.0
1	11	-2.3	folio	15	30	0.3	0.2	15.7	51.0
1	13	1.0	rockw	10	20	1.0	0.5	6.5	0.0
1	13	0.7	sarg	32	70	2.9	2.0	99.6	0.0
1	13	0.1	seagr	20	50	3.0	2.0	294.6	0.0
1	13	-0.0	seagr	20	50	2.0	2.0	253.0	0.0
1	13	-0.2	seagr	20	50	1.0	0.5	92.9	0.0
1	13	-0.3	seagr	20	50	1.5	0.1	79.9	0.0
1	13	-0.4	filam	16	55	3.4	4.6	349.1	544.0
1	13	-0.6	folio	17	30	1.0	1.3	340.8	0.0
1	13	-0.7	filam	10	75	2.7	4.5	815.6	17.0
1	13	-0.9	folio	24	85	2.0	2.0	1278.5	1020.0
1	13	-1.0	filam	8	85	2.8	0.5	340.5	136.0
1	13	-1.1	folio	17	50	1.8	1.0	199.7	459.0
1	13	-1.3	folio	21	40	0.7	0.6	208.6	68.0
1	13	-1.4	filam	15	80	1.2	3.3	1696.6	408.0
1	13	-1.6	folio	20	95	3.0	0.6	333.4	136.0
1	13	-1.7	folio	19	85	1.8	1.6	283.5	0.0
1	13	-1.8	folio	23	90	1.8	0.8	311.5	0.0
1	13	-2.0	kelp	18	60	0.7	0.7	189.8	0.0
1	13	-2.1	filam	14	35	1.2	0.6	304.6	680.0
1	13	-2.3	folio	15	25	1.0	0.1	91.9	34.0
1	13	-2.4	folio	16	75	1.8	0.5	168.6	850.0
6	4	1.4	seagr	30	100	0.8	0.5	260.2	0.0
6	4	1.2	seagr	30	100	1.0	1.5	266.4	0.0
6	4	1.0	seagr	30	80	0.2	0.0	72.5	0.0
6	4	0.5	seagr	30	100	1.5	1.5	708.6	0.0
6	4	0.4	seagr	30	100	1.7	1.0	786.5	0.0
6	4	0.3	seagr	30	100	1.5	2.0	583.1	0.0
6	4	0.2	seagr	30	90	1.5	1.0	567.2	0.0
6	4	0.0	seagr	30	100	1.5	1.0	365.5	0.0
6	4	-0.1	seagr	40	100	1.5	1.5	928.1	0.0
6	4	-0.2	seagr	35	100	1.5	1.0	1027.9	0.0
6	4	-0.3	seagr	35	100	1.5	1.0	875.0	0.0
6	4	-0.4	seagr	38	100	1.5	1.5	749.3	0.0
6	4	-0.6	seagr	40	80	1.0	0.7	241.2	0.0
6	4	-0.7	seagr	40	100	1.5	1.5	898.9	0.0

Table 5 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
6	4	-0.8	seagr	30	100	1.5	1.0	529.0	0.0
6	4	-0.9	seagr	28	85	1.5	0.7	448.7	0.0
6	4	-0.9	seagr	30	100	1.5	1.0	877.3	0.0
6	4	-1.0	filam	12	85	1.6	1.9	739.2	0.0
6	4	-1.0	seagr	27	100	1.1	1.5	411.8	0.0
6	4	-1.1	filam	15	80	5.0	2.0	630.3	0.0
6	4	-1.2	folio	20	75	2.5	1.5	1459.9	68.0
6	4	-1.2	filam	23	50	1.0	1.4	329.0	34.0
6	4	-1.3	folio	26	90	0.3	0.5	206.9	68.0
6	4	-1.4	filam	18	75	1.0	0.1	82.0	0.0
6	4	-1.5	folio	22	60	0.3	0.1	129.3	0.0
6	4	-1.6	seagr	53	9	0.1	0.0	3.6	0.0
6	5	1.4	seagr	25	100	0.5	0.2	165.4	0.0
6	5	1.1	seagr	28	100	2.0	2.5	771.9	0.0
6	5	1.0	seagr	30	100	1.5	2.0	752.6	0.0
6	5	0.9	seagr	25	100	2.0	1.7	761.2	0.0
6	5	0.8	seagr	30	100	1.7	1.5	714.7	0.0
6	5	0.6	seagr	30	100	1.5	1.5	1134.9	0.0
6	5	0.5	seagr	30	100	1.5	2.0	709.5	0.0
6	5	0.3	folio	30	90	0.8	1.3	229.1	0.0
6	5	0.2	filam	15	90	6.0	2.0	385.4	0.0
6	5	0.0	seagr	40	95	1.5	1.9	1335.2	0.0
6	5	-0.1	kelp	100	80	0.2	0.2	201.0	0.0
6	5	-0.2	filam	33	55	0.8	0.4	230.9	0.0
6	5	-0.3	seagr	40	100	2.0	2.0	615.2	0.0
6	5	-0.4	seagr	35	100	2.5	2.0	1203.1	0.0
6	5	-0.6	folio	31	100	1.8	1.9	754.4	0.0
6	5	-0.7	folio	26	70	2.0	1.4	875.7	459.0
6	5	-0.8	seagr	50	100	1.3	2.5	641.2	0.0
6	5	-0.9	seagr	40	100	2.0	0.7	529.6	0.0
6	5	-1.0	seagr	35	90	0.7	0.8	114.8	0.0
6	5	-1.2	seagr	30	75	0.3	0.0	97.3	0.0
6	6	1.4	seagr	22	100	0.4	0.1	252.2	0.0
6	6	1.2	seagr	25	85	0.4	0.2	222.6	0.0
6	6	1.1	seagr	25	100	0.2	0.5	331.4	0.0
6	6	1.0	seagr	25	100	0.4	0.2	223.9	0.0
6	6	0.8	seagr	20	100	1.2	0.6	644.0	0.0
6	6	0.4	seagr	25	100	1.5	1.0	716.3	0.0
6	6	0.3	seagr	35	100	1.0	0.4	527.1	0.0
6	6	0.2	seagr	25	100	2.0	1.5	1111.0	0.0
6	6	0.0	seagr	35	100	1.7	1.5	1914.2	0.0
6	6	-0.1	seagr	40	100	2.5	1.5	1551.0	0.0
6	6	-0.2	seagr	30	100	1.5	0.5	798.7	0.0
6	6	-0.3	seagr	40	100	1.7	1.5	1771.6	0.0
6	6	-0.4	seagr	35	100	2.0	1.5	1548.5	0.0
6	6	-0.6	filam	11	100	1.3	1.8	417.9	0.0

Table 5 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
6	6	-0.7	seagr	35	100	1.7	1.0	2078.0	0.0
6	6	-0.8	seagr	35	100	2.5	3.0	1024.0	0.0
6	6	-0.9	filam	14	100	2.2	2.7	666.3	0.0
6	6	-1.0	folio	15	100	1.0	0.7	576.2	23.8
6	6	-1.2	seagr	35	100	0.5	1.5	260.1	0.0
6	6	-1.3	seagr	32	100	0.5	0.5	288.5	0.0
6	6	-1.5	seagr	33	100	0.4	0.2	71.8	0.0
6	8	1.4	seagr	22	100	0.4	0.1	70.6	0.0
6	8	1.2	seagr	20	100	0.5	0.4	203.4	0.0
6	8	1.0	seagr	20	100	0.4	0.1	152.4	0.0
6	8	0.9	seagr	30	100	0.4	0.2	201.6	0.0
6	8	0.5	seagr	20	100	0.2	0.1	50.0	0.0
6	8	0.2	seagr	30	80	0.2	0.1	60.7	0.0
6	8	0.0	seagr	34	100	1.5	2.0	494.6	0.0
6	8	-0.1	seagr	30	60	1.5	1.0	205.8	0.0
6	8	-0.2	seagr	30	100	1.5	1.5	587.0	0.0
6	8	-0.3	seagr	30	100	1.5	2.0	755.3	0.0
6	8	-0.4	seagr	29	100	1.5	0.3	231.4	0.0
6	8	-0.6	seagr	35	100	1.5	1.5	492.1	0.0
6	8	-0.7	filam	12	100	1.9	1.9	536.2	0.0
6	8	-0.8	seagr	40	100	1.2	1.5	169.0	0.0
6	8	-0.9	filam	20	95	0.7	1.1	254.9	0.0
6	8	-1.0	filam	15	60	1.6	1.1	377.6	544.0
6	8	-1.2	filam	15	80	0.8	2.0	387.2	61.2
6	8	-1.3	filam	13	75	0.7	0.3	137.0	0.0
6	8	-1.4	seagr	50	70	0.1	0.1	50.9	0.0
6	8	-1.5	seagr	50	60	0.2	0.1	33.1	0.0
6	8	-1.6	seagr	59	75	0.2	0.1	43.6	0.0
6	8	-1.8	seagr	60	80	0.7	0.1	96.7	0.0
6	10	1.4	seagr	20	100	0.4	0.5	121.7	0.0
6	10	1.2	seagr	20	100	0.3	0.1	73.1	0.0
6	10	1.1	seagr	20	100	0.1	0.0	44.9	0.0
6	10	1.0	seagr	20	100	0.1	0.0	31.4	0.0
6	10	0.5	seagr	40	100	0.2	0.3	434.4	0.0
6	10	0.4	seagr	40	100	1.8	1.5	1237.6	0.0
6	10	0.3	seagr	30	100	1.2	1.0	420.7	0.0
6	10	0.2	seagr	30	100	1.0	1.0	507.1	0.0
6	10	0.0	seagr	35	100	1.5	1.5	470.9	0.0
6	10	-0.1	seagr	35	100	1.5	0.4	297.6	0.0
6	10	-0.2	filam	18	90	2.5	1.6	176.1	340.0
6	10	-0.3	filam	15	85	2.8	2.4	444.5	340.0
6	10	-0.4	filam	20	100	2.3	2.1	577.6	340.0
6	10	-0.6	filam	12	100	4.0	1.6	431.3	272.0
6	10	-0.7	seagr	30	100	1.5	2.0	659.1	0.0
6	10	-0.8	seagr	25	100	0.7	1.5	266.0	0.0
6	10	-0.9	seagr	30	100	1.2	1.5	558.8	0.0

Table 5 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
6	10	-1.0	seagr	40	100	1.5	1.5	449.0	0.0
6	10	-1.2	filam	14	90	3.9	3.2	573.6	0.0
6	10	-1.3	filam	22	90	4.0	3.3	896.3	0.0
6	10	-1.4	seagr	31	100	0.2	0.5	192.9	0.0
6	10	-1.5	seagr	28	100	0.1	0.1	27.3	0.0
6	10	-1.6	seagr	28	90	0.0	0.0	24.0	0.0
6	10	-1.8	seagr	36	90	0.0	0.0	12.8	0.0
6	12	1.4	seagr	20	100	0.1	0.0	15.9	0.0
6	12	1.2	seagr	25	100	0.1	0.1	58.2	0.0
6	12	1.1	seagr	30	80	0.0	0.0	15.2	0.0
6	12	1.0	seagr	30	80	0.1	0.0	24.1	0.0
6	12	0.6	seagr	25	100	0.1	0.1	13.3	0.0
6	12	0.4	seagr	30	100	1.5	0.5	183.8	0.0
6	12	0.3	seagr	30	100	1.0	0.7	132.0	0.0
6	12	0.2	seagr	40	100	1.0	0.5	357.5	0.0
6	12	0.0	seagr	40	80	1.2	0.3	201.3	0.0
6	12	-0.1	seagr	30	100	1.5	0.4	183.1	0.0
6	12	-0.2	seagr	35	100	1.5	0.1	113.7	0.0
6	12	-0.3	seagr	35	50	0.3	0.2	163.6	0.0
6	12	-0.4	seagr	35	60	0.1	1.0	353.4	0.0
6	12	-0.6	seagr	53	100	0.1	0.1	40.5	0.0
6	12	-0.7	seagr	40	100	1.0	0.1	308.9	0.0
6	12	-0.8	seagr	30	25	0.0	0.1	25.1	0.0
6	12	-0.9	filam	13	95	1.2	1.2	211.9	34.0
6	12	-1.0	folio	20	70	0.1	0.1	47.8	0.0
6	12	-1.2	folio	20	70	0.1	0.1	4.0	6.8
6	14	1.4	seagr	30	100	0.0	0.0	17.2	0.0
6	14	1.2	seagr	20	100	0.0	0.0	24.5	0.0
6	14	1.0	seagr	28	100	0.1	0.1	26.9	0.0
6	14	0.6	seagr	30	60	0.5	0.1	49.6	0.0
6	14	0.5	seagr	30	100	0.2	0.1	84.1	0.0
6	14	0.4	seagr	30	100	1.2	0.5	147.3	0.0
6	14	0.3	seagr	35	100	1.5	1.5	291.1	0.0
6	14	0.2	seagr	30	100	0.2	0.4	243.0	0.0
6	14	0.0	seagr	35	100	1.0	0.2	167.9	0.0
6	14	-0.1	seagr	30	100	0.7	0.1	265.2	0.0
6	14	-0.2	seagr	40	100	0.3	1.0	177.6	0.0
6	14	-0.3	seagr	40	100	0.1	0.5	268.3	0.0
6	14	-0.4	filam	13	70	1.1	1.3	248.2	170.0
6	14	-0.6	filam	11	70	1.4	1.8	227.9	204.0
6	14	-0.7	seagr	35	100	1.0	1.5	461.6	0.0
6	14	-0.8	seagr	32	100	1.3	1.3	386.9	0.0
6	14	-0.9	seagr	35	100	1.2	0.1	268.6	0.0
6	14	-1.0	seagr	35	100	0.7	0.8	251.1	0.0
6	14	-1.2	filam	15	85	3.6	2.1	687.5	0.0
6	14	-1.3	folio	13	90	0.5	0.7	641.7	0.0

Table 5 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
6	14	-1.4	seagr	24	100	0.0	0.5	81.6	0.0
8	3	3.4	rockw	10	80	0.5	0.1	84.7	0.0
8	3	3.0	rockw	16	40	1.3	1.0	892.1	102.0
8	3	2.6	rockw	12	70	0.5	1.0	107.2	0.3
8	3	2.2	rockw	5	80	0.5	0.1	25.5	0.0
8	3	1.8	rockw	10	50	1.5	1.5	110.0	25.5
8	3	1.4	filam	5	60	0.0	0.5	19.0	0.0
8	3	1.0	filam	3	5	0.0	0.0	1.7	0.0
8	3	0.6	sarg	42	50	5.9	7.9	2130.5	340.0
8	3	0.2	folio	19	45	2.4	1.0	1183.7	170.0
8	3	-0.2	folio	15	70	3.4	3.6	863.4	136.0
8	3	-0.5	folio	15	60	2.7	1.3	947.9	34.0
8	3	-0.9	filam	19	50	2.5	2.2	1050.4	136.0
8	3	-1.3	kelp	65	85	0.0	0.5	114.5	0.1
8	3	-1.7	filam	48	40	0.7	0.2	34.6	0.0
8	4	3.4	rockw	10	70	1.0	0.5	367.2	0.0
8	4	3.0	rockw	15	30	1.0	2.0	164.5	102.0
8	4	2.6	rockw	25	30	0.5	0.8	313.6	68.0
8	4	1.8	rockw	5	80	0.8	1.0	368.6	3.4
8	4	1.4	filam	12	15	0.4	0.3	8.3	0.0
8	4	1.0	filam	5	90	1.0	1.5	134.5	17.0
8	4	0.6	filam	8	80	2.0	3.0	456.5	0.0
8	4	0.2	folio	20	40	1.5	1.0	540.2	136.0
8	4	-0.2	folio	18	50	2.0	2.3	773.9	136.0
8	4	-0.5	folio	15	45	1.4	1.0	431.9	136.0
8	4	-0.9	filam	24	70	1.9	2.6	1213.5	102.0
8	4	-1.3	filam	46	50	0.7	0.4	158.4	17.0
8	5	3.4	rockw	10	80	0.8	0.5	109.1	0.0
8	5	3.0	rockw	15	75	1.0	1.0	293.4	0.0
8	5	2.6	rockw	10	40	0.6	0.8	48.9	0.0
8	5	2.2	filam	9	40	0.1	0.0	4.2	0.0
8	5	1.8	rockw	8	100	1.3	0.9	150.5	0.0
8	5	1.4	filam	7	90	0.7	0.5	21.5	0.0
8	5	1.0	filam	16	60	1.0	1.4	102.8	0.0
8	5	0.6	sarg	41	50	4.7	3.7	1210.3	425.0
8	5	0.2	filam	10	70	1.8	1.9	798.1	3.4
8	5	-0.2	folio	19	60	1.1	2.3	848.6	34.0
8	5	-0.5	folio	18	80	1.6	1.6	676.0	68.0
8	5	-0.9	folio	15	50	1.2	1.2	481.5	204.0
8	5	-1.3	filam	48	40	0.1	0.0	4.4	0.0
8	7	3.4	rockw	10	90	1.0	1.0	161.5	0.0
8	7	3.0	rockw	15	60	1.5	1.0	69.2	51.0
8	7	2.6	rockw	25	5	0.5	0.5	4.7	0.0
8	7	2.2	rockw	25	10	0.5	0.5	5.3	0.0
8	7	1.8	rockw	15	80	1.0	1.0	134.0	0.0
8	7	1.4	filam	10	70	0.5	0.0	44.9	0.0

Table 5 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
8	7	1.0	filam	5	100	1.0	0.5	111.4	0.0
8	7	0.6	sarg	28	100	4.5	5.6	2225.7	476.0
8	7	0.2	folio	20	60	3.5	1.0	899.1	459.0
8	7	-0.2	folio	15	50	3.0	2.0	1804.4	408.0
8	7	-0.5	folio	20	35	0.8	0.5	176.3	357.0
8	7	-0.9	filam	14	35	1.5	1.0	322.0	17.0
8	7	-1.3	filam	10	25	1.3	0.9	161.3	170.0
8	9	3.4	rockw	10	80	0.5	1.0	129.8	0.0
8	9	3.0	rockw	12	30	1.5	1.5	467.2	102.0
8	9	2.6	rockw	15	10	1.0	1.5	57.1	0.0
8	9	2.2	rockw	5	60	0.5	0.1	20.8	0.0
8	9	1.8	rockw	10	60	1.0	1.5	215.3	17.0
8	9	1.4	rockw	4	85	0.1	0.4	33.7	0.0
8	9	1.0	filam	8	80	1.5	1.0	377.3	0.0
8	9	0.6	filam	19	100	4.1	4.6	997.3	0.0
8	9	0.2	sarg	39	60	7.8	9.8	2681.7	680.0
8	9	-0.2	filam	18	80	3.8	3.4	1139.6	340.0
8	9	-0.5	filam	15	70	1.2	1.9	601.0	51.0
8	9	-0.9	filam	20	35	2.5	2.5	450.2	51.0
8	9	-1.3	filam	15	20	1.5	1.5	101.8	0.0
8	11	3.0	rockw	15	60	1.5	2.0	536.7	340.0
8	11	2.6	rockw	15	60	1.5	2.0	85.0	0.0
8	11	2.2	rockw	10	40	0.5	0.1	10.0	0.0
8	11	1.8	filam	7	70	0.1	0.2	18.9	34.0
8	11	1.4	rockw	10	80	1.5	1.0	158.6	34.0
8	11	1.0	filam	6	75	0.0	0.0	2.3	0.0
8	11	0.6	filam	8	80	1.0	1.0	57.8	0.0
8	11	0.2	sarg	26	55	3.9	4.7	748.3	0.0
8	11	-0.2	folio	14	45	1.8	0.5	84.5	272.0
8	11	-0.5	folio	13	55	1.6	0.8	418.1	272.0
8	11	-0.9	filam	13	45	2.3	2.3	522.3	17.0
8	11	-1.3	folio	14	10	1.2	1.2	80.1	0.0
8	13	3.4	rockw	15	50	0.5	0.8	46.7	0.0
8	13	3.0	rockw	15	60	1.0	0.5	112.0	0.0
8	13	2.6	rockw	10	50	0.1	0.1	10.8	0.0
8	13	2.2	rockw	15	60	0.5	0.5	80.7	0.0
8	13	1.8	rockw	10	70	0.5	0.4	30.8	0.0
8	13	1.4	filam	13	40	0.3	0.2	15.0	2.0
8	13	1.0	rockw	6	80	0.4	0.3	17.5	102.0
8	13	0.6	folio	19	75	1.0	0.2	502.8	510.0
8	13	0.2	folio	20	50	1.6	1.6	740.2	340.0
8	13	-0.2	folio	20	50	1.5	1.0	497.4	340.0
8	13	-0.5	folio	25	50	1.5	0.8	389.2	340.0
8	13	-0.9	folio	22	50	0.6	0.2	344.1	340.0
8	13	-1.3	filam	17	35	1.8	1.3	334.0	17.0
8	13	-1.7	filam	20	30	2.0	3.0	188.8	34.0

Table 5 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
8	14	3.4	rockw	15	50	0.5	1.0	56.2	0.0
8	14	3.0	rockw	10	40	1.0	1.0	72.2	0.0
8	14	2.6	rockw	5	30	0.5	0.0	4.0	17.0
8	14	2.2	rockw	12	40	1.0	1.0	16.2	0.0
8	14	1.8	filam	10	60	0.0	0.1	6.4	0.0
8	14	1.4	rockw	20	40	1.5	1.5	5.2	170.0
8	14	1.0	filam	10	50	4.0	3.0	186.2	680.0
8	14	0.6	sarg	40	30	6.0	6.0	308.7	510.0
8	14	0.2	folio	20	30	1.5	0.8	404.7	510.0
8	14	-0.2	folio	20	50	1.5	1.0	181.3	34.0
8	14	-0.5	filam	13	80	2.4	1.7	733.3	850.0
8	14	-0.9	folio	10	35	2.1	0.8	169.6	8.5
8	14	-1.3	filam	8	15	1.5	0.5	53.1	51.0
9	3	-0.8	sarg	44	70	11.7	9.8	2339.4	136.0
9	3	-0.9	sarg	45	80	1.0	9.9	2488.7	34.0
9	3	-1.0	sarg	52	60	7.8	5.8	1160.7	17.0
9	3	-1.1	filam	27	75	2.4	4.3	519.2	34.0
9	3	-1.1	sarg	40	15	6.0	3.0	53.9	0.0
9	3	-1.2	sarg	40	50	10.0	6.0	1357.5	34.0
9	3	-1.3	sarg	35	60	11.6	7.7	1161.3	34.0
9	3	-1.4	sarg	37	100	7.8	9.9	1447.6	17.0
9	3	-1.5	sarg	35	40	9.6	5.7	1008.8	34.0
9	3	-1.6	sarg	60	25	10.0	8.0	1715.3	85.0
9	3	-1.7	filam	23	30	7.6	6.3	484.9	204.0
9	3	-1.8	sarg	17	70	4.9	4.7	921.1	17.0
9	3	-1.9	sarg	50	50	11.6	6.8	907.6	34.0
9	3	-2.0	sarg	35	45	9.0	4.7	346.7	17.0
9	3	-2.0	filam	5	20	2.5	1.0	31.6	0.0
9	3	-2.1	sarg	24	85	10.9	5.6	1301.6	85.0
9	3	-2.2	sarg	13	40	5.9	6.0	398.8	34.0
9	3	-2.3	sarg	24	45	6.8	5.0	1116.3	170.0
9	3	-2.4	sarg	51	85	3.0	2.0	416.9	17.0
9	3	-2.5	sarg	24	65	7.8	7.8	1632.3	204.0
9	3	-2.6	kelp	53	40	1.7	1.5	150.4	68.0
9	3	-2.7	kelp	60	25	0.4	0.1	83.7	17.0
9	4	-0.8	sarg	15	100	10.0	7.0	2197.5	510.0
9	4	-1.0	filam	10	25	3.0	2.0	195.8	0.0
9	4	-1.1	sarg	22	30	4.8	4.9	341.2	0.0
9	4	-1.3	sarg	20	30	2.7	2.5	296.3	51.0
9	4	-1.4	sarg	54	85	11.9	5.9	2654.4	68.0
9	4	-1.5	sarg	35	30	10.0	8.0	998.5	34.0
9	4	-1.6	filam	10	50	3.0	2.0	365.2	0.0
9	4	-1.7	sarg	39	75	9.5	9.5	2100.2	34.0
9	4	-1.9	folio	10	75	1.5	1.0	671.5	255.0
9	4	-2.0	sarg	25	100	5.2	5.8	1364.7	170.0
9	4	-2.1	sarg	45	75	9.8	7.8	2631.9	306.0

Table 5 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
9	4	-2.2	filam	32	55	2.4	2.5	332.9	272.0
9	4	-2.3	sarg	32	45	9.7	6.8	1350.4	0.0
9	4	-2.5	sarg	20	55	7.0	5.6	2312.7	17.0
9	4	-2.6	sarg	52	60	3.4	2.4	300.2	136.0
9	4	-2.7	sarg	28	35	11.1	7.3	1524.5	51.0
9	4	-2.8	kelp	70	20	0.5	0.5	30.8	34.0
9	4	-2.9	kelp	80	40	1.3	0.3	121.8	68.0
9	5	-0.8	sarg	100	70	6.0	4.0	1164.5	136.0
9	5	-0.9	sarg	45	20	7.0	4.0	178.8	119.0
9	5	-1.1	sarg	35	20	8.9	7.3	410.3	68.0
9	5	-1.3	sarg	42	25	9.6	5.8	645.7	0.0
9	5	-1.4	sarg	50	90	12.0	6.0	2148.3	0.0
9	5	-1.5	sarg	39	35	9.3	8.4	773.7	34.0
9	5	-1.6	filam	15	65	1.7	0.3	106.0	17.0
9	5	-1.7	sarg	27	65	6.3	4.1	480.9	34.0
9	5	-1.9	filam	20	55	3.8	2.0	359.3	0.0
9	5	-2.0	sarg	36	50	3.1	1.9	252.4	34.0
9	5	-2.1	filam	33	40	0.7	0.7	32.9	0.0
9	5	-2.2	sarg	29	80	4.8	6.1	1180.7	34.0
9	5	-2.3	sarg	29	65	8.1	4.7	1230.1	0.0
9	5	-2.5	sarg	26	45	6.6	4.1	523.5	0.0
9	5	-2.6	kelp	100	50	1.0	1.5	422.5	0.0
9	5	-2.7	sarg	34	55	2.9	2.0	231.8	68.0
9	5	-2.8	filam	10	20	2.0	0.4	24.4	0.0
9	6	-0.8	seagr	15	25	2.5	0.0	31.2	0.0
9	6	-0.9	seagr	50	70	3.5	2.0	753.6	0.0
9	6	-1.0	sarg	40	65	12.0	10.0	1434.0	510.0
9	6	-1.1	sarg	33	35	9.1	6.5	903.4	153.0
9	6	-1.3	sarg	31	55	8.6	7.7	875.4	68.0
9	6	-1.4	sarg	21	55	7.0	4.2	483.6	170.0
9	6	-1.6	filam	15	10	5.0	2.0	95.3	0.0
9	6	-1.7	filam	15	65	1.4	0.7	144.7	0.0
9	6	-1.9	sarg	32	30	7.2	5.4	542.2	17.0
9	6	-2.0	sarg	46	65	5.8	5.7	939.4	136.0
9	6	-2.1	sarg	38	45	9.5	5.6	994.5	34.0
9	6	-2.2	sarg	36	61	7.4	5.7	1104.0	595.0
9	6	-2.3	sarg	26	40	8.6	2.9	428.7	0.0
9	6	-2.5	sarg	37	40	7.9	7.1	805.9	357.0
9	6	-2.6	filam	46	45	0.7	0.2	74.5	34.0
9	6	-2.7	sarg	59	80	1.5	1.0	453.2	0.0
9	6	-2.8	kelp	60	40	0.1	0.0	25.9	0.0
9	8	-0.8	seagr	35	50	3.0	1.0	409.1	0.0
9	8	-0.9	sarg	25	75	10.0	7.0	1848.3	153.0
9	8	-1.0	sarg	50	40	6.0	4.0	994.7	204.0
9	8	-1.1	filam	12	30	3.4	1.4	174.4	136.0
9	8	-1.3	folio	17	30	2.4	0.8	165.4	255.0

Table 5 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
9	8	-1.4	sarg	50	50	1.6	0.8	517.9	0.0
9	8	-1.5	sarg	24	60	4.4	2.0	543.6	0.0
9	8	-1.6	filam	15	25	2.0	1.0	94.5	0.0
9	8	-1.7	sarg	27	35	8.3	4.8	233.1	68.0
9	8	-1.9	sarg	42	55	9.8	6.0	1617.5	306.0
9	8	-2.0	kelp	58	100	0.6	0.2	143.3	0.0
9	8	-2.1	sarg	30	40	6.4	2.6	457.2	153.0
9	8	-2.2	sarg	43	50	6.7	5.8	702.9	0.0
9	8	-2.3	sarg	50	80	8.0	6.0	3282.3	612.0
9	8	-2.5	kelp	50	30	0.1	0.3	22.6	0.0
9	8	-2.6	kelp	75	60	0.1	0.2	33.8	0.0
9	8	-2.7	kelp	100	70	0.1	0.0	1.0	0.0
9	10	-0.8	sarg	50	80	5.5	4.3	782.9	238.0
9	10	-0.9	sarg	20	30	5.0	5.4	186.2	0.0
9	10	-1.0	sarg	40	90	6.0	6.0	305.4	0.0
9	10	-1.1	sarg	35	80	5.0	8.0	737.8	0.0
9	10	-1.4	sarg	44	35	6.1	7.9	584.7	17.0
9	10	-1.5	sarg	31	30	9.8	5.8	694.0	0.0
9	10	-1.6	filam	18	30	4.1	3.0	248.2	85.0
9	10	-1.9	sarg	23	75	4.8	4.6	559.5	170.0
9	10	-2.0	folio	16	85	2.3	0.9	316.7	0.0
9	10	-2.2	sarg	23	20	4.8	2.3	174.8	0.0
9	10	-2.2	sarg	20	50	5.9	5.1	313.7	0.0
9	10	-2.3	filam	21	45	2.3	1.4	139.2	17.0
9	10	-2.5	sarg	33	65	4.8	5.8	448.4	68.0
9	10	-2.6	sarg	29	40	8.2	5.7	927.4	0.0
9	10	-2.7	sarg	58	70	2.6	4.5	977.1	255.0
9	10	-2.8	kelp	63	90	0.9	0.9	119.0	0.0
9	12	-0.8	seagr	30	80	6.0	2.0	768.2	0.0
9	12	-1.1	sarg	50	80	8.0	6.0	2142.5	510.0
9	12	-1.3	sarg	40	30	7.0	4.0	437.8	340.0
9	12	-1.4	sarg	28	80	8.3	6.7	1063.6	0.0
9	12	-1.5	filam	10	20	0.5	1.0	35.0	0.0
9	12	-1.6	sarg	30	40	8.7	6.3	947.5	136.0
9	12	-1.7	filam	27	45	4.8	3.4	368.7	0.0
9	12	-1.9	filam	20	55	0.7	0.2	23.0	0.0
9	12	-2.0	folio	20	30	2.5	2.0	147.2	0.0
9	12	-2.1	kelp	86	100	0.2	0.2	227.9	0.0
9	12	-2.2	filam	26	35	2.7	1.7	56.9	0.0
9	12	-2.3	sarg	37	70	3.8	3.3	368.9	0.0
9	12	-2.6	folio	47	45	0.5	0.1	60.9	0.0
9	12	-2.7	kelp	100	70	0.3	0.1	51.4	0.0
9	12	-2.8	kelp	100	80	0.0	0.1	61.5	0.0
9	14	-0.8	sarg	35	20	4.0	3.5	58.7	0.0
9	14	-1.0	sarg	34	95	9.6	5.9	1115.5	680.0
9	14	-1.3	sarg	45	60	6.0	5.0	227.0	425.0

Table 5 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
9	14	-1.4	filam	40	40	0.0	0.2	26.1	0.0
9	14	-1.5	sarg	41	45	4.8	2.9	102.6	34.0
9	14	-1.6	filam	29	40	2.4	2.9	191.5	51.0
9	14	-1.7	folio	42	50	0.8	0.5	98.2	0.0
9	14	-1.9	sarg	38	20	2.7	0.9	61.3	51.0
9	14	-2.0	sarg	35	25	0.6	0.5	18.1	0.0
9	14	-2.1	filam	62	35	0.2	0.1	16.1	0.0
9	14	-2.2	sarg	30	75	5.0	8.0	1043.9	510.0
9	14	-2.3	kelp	64	75	0.2	0.4	128.2	0.0
9	14	-2.5	kelp	100	60	0.2	0.2	11.3	0.0
11	3	1.5	filam	8	30	0.5	1.0	284.7	68.0
11	3	1.5	filam	11	25	0.2	0.2	116.0	85.0
11	3	1.4	sarg	25	100	2.0	4.4	618.8	272.0
11	3	1.3	filam	12	60	1.6	2.0	366.0	85.0
11	3	1.2	sarg	23	28	3.8	3.8	189.7	0.3
11	3	1.1	filam	5	30	0.5	0.5	108.5	0.3
11	3	1.1	sarg	30	50	1.0	2.0	208.7	272.0
11	3	1.0	sarg	48	85	3.0	4.4	1134.8	34.0
11	3	0.9	sarg	38	70	1.9	3.8	241.8	34.0
11	3	0.8	sarg	39	26	1.0	3.0	158.0	272.0
11	3	0.7	sarg	25	20	1.6	2.0	116.2	0.0
11	3	0.7	sarg	18	30	2.9	2.0	136.0	0.0
11	3	0.6	folio	11	50	0.6	0.6	111.7	0.0
11	3	0.5	filam	14	65	0.5	0.5	164.0	17.0
11	3	0.4	folio	10	25	0.0	0.1	18.5	0.2
11	3	0.3	folio	15	40	1.0	0.5	52.1	170.0
11	3	0.3	folio	12	40	0.7	0.8	234.7	272.0
11	3	0.2	filam	10	90	0.2	0.6	339.8	68.0
11	3	0.1	filam	15	90	0.6	0.3	227.9	34.0
11	3	0.0	sarg	23	95	0.6	1.7	602.5	0.3
11	3	-0.1	sarg	25	41	1.0	1.4	316.7	34.0
11	3	-0.2	sarg	18	30	0.8	0.8	179.1	0.0
11	3	-0.2	sarg	36	35	1.0	1.9	247.7	3.4
11	3	-0.3	sarg	26	45	0.8	1.2	80.2	0.3
11	3	-0.4	sarg	30	50	1.0	3.0	158.7	34.0
11	3	-0.5	folio	12	80	0.1	0.1	85.2	0.0
11	3	-0.6	sarg	35	15	1.0	1.5	84.7	0.3
11	4	1.5	rockw	13	60	0.7	0.5	70.9	323.0
11	4	1.5	filam	8	30	0.0	0.0	15.4	34.0
11	4	1.4	sarg	35	60	2.0	3.0	933.2	102.0
11	4	1.3	sarg	16	30	1.3	1.5	101.3	34.0
11	4	1.2	sarg	37	75	1.9	2.0	600.2	306.0
11	4	1.1	sarg	43	30	1.5	1.5	220.3	306.0
11	4	1.1	rockw	18	60	0.6	1.0	195.2	306.0
11	4	1.0	sarg	23	30	4.6	3.3	288.4	306.0
11	4	0.9	sarg	39	21	4.0	2.0	347.5	68.0

Table 5 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
11	4	0.8	sarg	31	35	2.8	2.8	204.0	136.0
11	4	0.7	sarg	31	70	3.7	4.7	754.2	0.0
11	4	0.7	folio	13	70	0.6	0.8	590.7	306.0
11	4	0.6	filam	10	15	0.7	0.7	29.3	0.0
11	4	0.5	folio	20	61	0.8	0.5	202.2	0.0
11	4	0.4	folio	15	21	0.1	0.0	41.3	0.0
11	4	0.3	filam	10	40	0.7	0.5	304.9	340.0
11	4	0.3	folio	10	65	0.8	0.5	822.4	238.0
11	4	0.2	filam	12	90	0.8	0.4	556.3	0.0
11	4	0.1	folio	25	40	0.5	0.2	205.3	0.0
11	4	0.0	folio	15	95	0.8	1.0	1069.1	68.0
11	4	-0.1	sarg	23	60	0.7	1.9	289.0	136.0
11	4	-0.2	sarg	22	65	1.4	1.7	254.6	272.0
11	4	-0.2	sarg	22	40	0.1	0.2	3.1	0.0
11	4	-0.3	folio	15	85	0.4	0.1	73.1	170.0
11	4	-0.4	sarg	20	45	0.7	1.4	92.9	136.0
11	4	-0.5	folio	13	80	0.3	0.1	58.3	68.0
11	4	-0.6	sarg	40	50	0.5	1.0	165.1	102.0
11	6	1.5	filam	16	75	0.4	0.2	6.7	68.0
11	6	1.5	filam	10	55	0.5	0.6	43.3	3.4
11	6	1.4	filam	10	70	0.2	0.3	294.6	34.0
11	6	1.3	rockw	13	35	0.4	0.2	32.8	170.0
11	6	1.2	sarg	38	75	5.0	3.5	467.6	34.0
11	6	1.1	sarg	22	30	2.2	2.5	307.1	204.0
11	6	1.1	rockw	28	10	1.4	0.6	52.6	340.0
11	6	1.0	filam	8	35	0.5	0.5	90.4	0.0
11	6	0.9	filam	5	61	0.1	0.0	31.1	34.0
11	6	0.8	sarg	19	50	3.0	2.4	209.0	340.0
11	6	0.7	sarg	45	50	2.0	3.0	667.3	306.0
11	6	0.7	folio	11	35	1.5	1.2	295.5	34.0
11	6	0.6	sarg	18	35	2.6	2.6	217.0	340.0
11	6	0.5	filam	14	40	1.6	1.3	226.3	272.0
11	6	0.4	filam	9	45	0.8	0.8	102.8	306.0
11	6	0.3	folio	18	50	0.8	0.5	357.7	170.0
11	6	0.3	folio	10	80	0.8	0.5	353.7	68.0
11	6	0.2	folio	10	45	0.6	0.5	72.2	102.0
11	6	0.1	folio	8	55	0.5	0.1	27.1	272.0
11	6	0.0	folio	13	75	0.8	0.3	207.9	170.0
11	6	-0.1	folio	10	80	0.5	0.0	108.2	102.0
11	6	-0.2	filam	10	41	0.0	0.1	156.7	0.0
11	6	-0.2	folio	15	65	0.8	1.0	424.9	170.0
11	6	-0.3	folio	23	75	1.7	0.8	345.2	408.0
11	6	-0.4	folio	20	60	1.2	1.8	346.7	272.0
11	6	-0.5	folio	28	70	0.3	0.1	40.7	0.0
11	6	-0.6	sarg	50	85	2.6	0.9	39.3	3.4
11	6	-0.6	sarg	27	35	1.9	2.9	160.8	0.0

Table 5 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
11	6	-0.7	sarg	19	45	1.5	2.2	132.4	102.0
11	6	-0.8	sarg	40	20	2.0	2.0	108.7	0.0
11	6	-0.9	folio	20	60	0.1	0.0	94.4	136.0
11	8	1.5	filam	11	80	0.1	0.2	79.7	3.4
11	8	1.5	filam	7	40	0.2	0.1	18.4	3.4
11	8	1.4	filam	9	55	0.3	0.5	88.1	170.0
11	8	1.3	filam	8	50	0.1	0.1	30.3	204.0
11	8	1.2	rockw	18	60	1.4	1.5	268.7	272.0
11	8	1.1	filam	13	20	1.1	1.1	28.9	102.0
11	8	1.1	filam	14	30	0.9	0.4	35.8	34.0
11	8	1.0	folio	13	35	0.3	0.9	68.8	3.4
11	8	0.9	sarg	18	30	2.2	1.4	75.6	3.4
11	8	0.8	filam	28	60	1.8	1.8	348.8	306.0
11	8	0.7	filam	19	40	3.5	1.7	461.9	68.0
11	8	0.7	sarg	23	45	1.9	2.4	341.2	204.0
11	8	0.6	folio	15	35	0.4	0.5	32.0	136.0
11	8	0.5	folio	9	50	0.5	0.1	108.0	272.0
11	8	0.4	folio	9	40	0.6	0.6	108.6	51.0
11	8	0.3	folio	10	60	0.2	0.3	197.9	204.0
11	8	0.3	folio	12	45	0.5	0.5	266.1	306.0
11	8	0.2	folio	9	65	0.5	0.5	211.2	170.0
11	8	0.1	folio	12	90	0.1	0.1	137.7	136.0
11	8	0.0	folio	14	75	0.2	0.2	79.7	34.0
11	8	-0.1	folio	13	75	0.6	0.6	503.2	204.0
11	8	-0.2	folio	11	70	0.3	0.2	136.6	34.0
11	8	-0.2	folio	19	60	0.3	0.3	33.7	3.4
11	8	-0.3	folio	12	65	0.4	1.4	87.5	3.4
11	8	-0.4	sarg	22	40	0.1	0.1	30.9	3.4
11	8	-0.5	folio	15	85	0.5	0.5	311.4	170.0
11	8	-0.6	folio	33	50	0.1	0.0	0.4	102.0
11	10	1.5	filam	12	35	0.1	0.1	19.4	0.0
11	10	1.5	filam	9	80	0.2	0.0	66.3	17.0
11	10	1.4	sarg	14	50	1.2	1.2	93.7	34.0
11	10	1.3	sarg	36	60	2.1	2.9	642.9	306.0
11	10	1.2	sarg	19	30	0.9	0.9	42.7	204.0
11	10	1.1	filam	11	25	0.5	0.7	48.2	306.0
11	10	1.1	filam	14	35	0.9	0.7	37.9	102.0
11	10	1.0	sarg	50	50	2.0	2.9	653.1	204.0
11	10	0.9	sarg	27	40	2.9	2.9	144.1	170.0
11	10	0.8	sarg	16	20	1.8	1.8	95.0	102.0
11	10	0.7	sarg	25	30	2.6	1.9	262.9	0.0
11	10	0.7	sarg	36	45	1.9	2.9	494.5	0.0
11	10	0.6	sarg	15	20	2.6	1.3	133.1	0.0
11	10	0.5	sarg	21	55	2.7	2.2	227.6	17.0
11	10	0.4	folio	15	85	0.5	0.9	481.4	170.0
11	10	0.3	folio	12	55	0.2	0.4	7.4	170.0

Table 5 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
11	10	0.3	filam	11	50	0.5	0.6	214.9	238.0
11	10	0.2	folio	12	65	0.3	0.5	48.2	17.0
11	10	0.1	folio	13	50	0.5	0.4	27.5	17.0
11	10	0.0	folio	19	80	0.5	1.0	308.1	0.0
11	10	-0.1	folio	15	30	0.5	0.8	66.8	34.0
11	10	-0.2	folio	12	70	0.4	0.2	77.0	204.0
11	10	-0.2	folio	17	90	0.2	0.2	263.9	170.0
11	10	-0.3	filam	19	40	0.5	1.1	48.2	3.4
11	10	-0.4	folio	26	45	0.1	0.3	5.9	68.0
11	10	-0.5	folio	15	65	0.2	0.7	34.4	34.0
11	10	-0.6	folio	19	30	0.0	0.0	14.3	0.0
11	12	1.5	filam	10	90	0.1	0.1	94.7	34.0
11	12	1.5	filam	9	70	0.1	0.1	1.6	34.0
11	12	1.4	rockw	12	55	0.3	0.5	75.7	68.0
11	12	1.3	sarg	27	45	2.5	2.5	104.5	272.0
11	12	1.2	filam	16	25	0.1	0.2	0.8	34.0
11	12	1.1	sarg	45	45	2.5	2.0	328.2	0.0
11	12	1.1	sarg	43	30	2.0	2.5	21.8	306.0
11	12	1.0	sarg	31	35	1.9	1.5	114.4	272.0
11	12	0.8	folio	27	70	0.9	1.5	106.1	68.0
11	12	0.7	sarg	20	30	2.7	2.2	36.0	68.0
11	12	0.7	sarg	27	35	2.7	2.2	159.7	0.0
11	12	0.6	filam	15	40	1.1	1.8	29.0	272.0
11	12	0.5	filam	17	31	2.0	2.1	90.9	0.0
11	12	0.4	filam	13	45	1.3	0.9	77.5	102.0
11	12	0.3	folio	17	55	0.4	0.6	113.0	170.0
11	12	0.3	folio	12	30	0.6	0.8	53.5	68.0
11	12	0.2	filam	11	35	0.5	0.7	79.6	0.0
11	12	0.1	filam	23	45	1.4	1.0	124.5	68.0
11	12	0.0	filam	17	25	0.9	0.9	5.1	0.0
11	12	-0.1	sarg	17	30	0.2	0.0	0.8	0.0
11	12	-0.2	sarg	27	75	1.9	1.8	255.9	102.0
11	12	-0.6	sarg	22	25	0.1	0.4	14.5	0.0
11	12	-0.6	filam	15	70	0.1	0.2	12.5	0.0
12	3	1.2	filam	10	45	0.2	0.2	35.9	127.5
12	3	1.1	sarg	80	50	4.0	3.0	384.0	0.0
12	3	1.0	folio	16	55	1.1	1.7	264.3	238.0
12	3	0.9	sarg	16	20	1.5	1.5	4.7	0.0
12	3	0.7	sarg	41	95	2.9	2.9	646.3	340.0
12	3	0.6	sarg	34	90	1.7	1.8	294.8	272.0
12	3	0.5	folio	23	45	0.5	0.1	27.5	0.0
12	3	0.4	folio	20	90	0.1	0.0	93.1	0.0
12	3	0.3	sarg	45	40	2.5	2.0	418.6	0.0
12	3	0.1	sarg	31	40	1.7	1.3	739.4	85.0
12	3	0.0	filam	19	70	1.6	1.6	177.3	0.0
12	4	1.2	rockw	15	10	0.5	0.0	77.3	85.0

Table 5 (cont'd)

Tran. no.	Incu. Day	Depth (m)	Veg. type	Height (cm)	Percent cover	Egg layers div.	Egg layers lab.	Eggs (1000s/m^2) on veg.	Eggs (1000s/m^2) on btm.
12	4	1.1	sarg	80	60	3.0	1.5	1360.6	340.0
12	4	1.0	sarg	80	80	3.0	2.5	1055.4	340.0
12	4	0.9	sarg	67	75	2.9	4.9	1700.0	510.0
12	4	0.7	sarg	30	60	2.4	1.9	666.4	0.0
12	4	0.6	sarg	32	35	1.4	1.4	618.4	0.0
12	4	0.5	folio	18	45	1.0	0.3	223.7	0.0
12	4	0.1	sarg	30	30	1.0	1.5	178.4	0.0
12	4	0.0	sarg	34	85	2.0	1.0	1017.2	0.0
12	4	-0.1	sarg	30	50	1.4	1.4	405.7	0.0
12	6	1.2	filam	14	25	0.0	0.1	29.1	0.0
12	6	1.1	sarg	65	80	5.0	3.0	167.5	0.0
12	6	1.0	filam	40	60	2.0	2.0	136.0	408.0
12	6	0.9	sarg	46	85	5.8	3.9	1090.8	34.0
12	6	0.7	sarg	30	100	3.6	1.9	849.0	408.0
12	6	0.6	filam	15	95	1.4	1.5	177.3	136.0
12	6	0.5	folio	17	55	0.7	0.2	102.0	170.0
12	6	0.4	filam	14	60	0.9	0.4	60.6	34.0
12	6	0.3	filam	14	35	0.1	0.1	7.2	0.0
12	6	0.1	folio	23	60	0.4	0.1	165.7	40.8
12	6	0.0	filam	34	70	3.0	2.4	279.3	42.5
12	6	-0.1	sarg	39	25	2.8	1.4	7.3	17.0
12	8	1.2	filam	15	20	0.0	0.1	4.2	0.0
12	8	1.1	filam	29	55	2.2	1.6	151.7	170.0
12	8	1.0	sarg	45	85	4.8	2.9	341.7	170.0
12	8	0.9	folio	15	75	0.6	0.2	183.3	0.0
12	8	0.7	filam	13	20	0.3	0.5	22.4	0.0
12	8	0.3	sarg	35	50	2.5	2.7	534.6	0.0
12	8	0.1	sarg	34	20	2.2	0.7	35.0	0.0
12	10	1.2	filam	14	40	0.1	0.0	28.3	0.0
12	10	1.1	filam	26	65	1.9	2.0	61.7	51.0
12	10	1.0	sarg	43	75	4.8	5.7	230.2	136.0
12	10	0.9	sarg	42	75	3.2	2.7	468.0	255.0
12	10	0.8	filam	38	100	2.7	2.8	473.0	34.0
12	10	0.7	filam	11	45	0.5	0.4	76.8	17.0
12	10	0.5	folio	20	35	0.0	0.1	40.7	0.0
12	10	0.3	folio	48	55	2.2	0.9	18.1	63.8
12	10	0.1	sarg	35	40	1.7	1.2	157.7	6.8
12	12	1.2	filam	17	70	0.1	0.0	27.2	0.0
12	12	1.1	sarg	33	75	4.3	2.4	429.6	136.0
12	12	1.0	sarg	46	60	3.5	2.6	350.7	102.0
12	12	0.9	sarg	37	100	2.8	1.6	357.7	153.0
12	12	0.7	folio	43	80	2.1	1.9	198.5	255.0
12	12	0.6	sarg	49	90	2.4	2.4	341.9	0.0
12	12	0.5	folio	33	75	0.2	0.0	50.1	0.0

Table 6a. March 3, 1989 Lambert Channel bird and sea mammal counts.

Species	Sector					
	2	3	4	5	8	All
Gull sp.	1245	2815	4397	9225	2950	20632
Black scoter	49	0	0	0	0	49
Surf scoter	83	328	5	2	0	418
W.-winged scoter	40	0	0	0	0	40
Scoter sp.	11	0	4	0	0	15
Oldsquaw	0	0	0	0	0	0
Bufflehead	0	0	0	310	0	310
Barrow's goldeneye	0	0	0	0	0	0
Common goldeneye	1	1	0	0	0	2
Goldeneye sp.	20	866	0	32	0	918
Harlequin	15	0	0	312	6	333
Common merganser	0	0	0	0	0	0
Merganser sp.	0	0	0	0	0	0
Mallard	0	0	0	0	0	0
Duck (unid.)	0	0	0	0	0	0
Horned grebe	0	0	0	0	0	0
Western grebe	0	0	1	8	0	9
Grebe sp.	1	0	0	0	0	1
Brandt's cormorant	0	5	4	0	0	9
D.-c. cormorant	0	0	0	0	0	0
Pelagic cormorant	1	24	77	0	0	102
Cormorant sp.	0	0	0	28	94	122
Common loon	0	0	0	0	0	0
Common murre	15	12	2	0	2	31
Murrelet	0	0	0	0	0	0
Pigeon guillemot	0	0	0	0	0	0
Crow sp.	0	20	0	0	0	20
Canada goose	0	0	0	0	0	0
Brant	0	0	0	0	0	0
Bald eagle	39	12	49	77	0	177
Great blue heron	0	0	0	0	0	0
Steller sea lion	27	2	15	0	0	44
Harbour seal	25	6	0	10	0	41
Total	1572	4091	4554	10004	3052	23273

Table 6b. March 5, 1989 Lambert Channel bird and sea mammal counts.

Species	Sector					
	2	3	4	5	8	All
Gull sp.	6640	11818	536	10244	767	30005
Black scoter	0	2	0	0	0	2
Surf scoter	5	3000	0	0	0	3005
W.-winged scoter	0	2001	2	0	0	2003
Scoter sp.	0	0	0	1681	24	1705
Oldsquaw	0	80	0	0	4	84
Bufflehead	0	0	1	100	8	109
Barrow's goldeneye	0	0	0	1302	0	1302
Common goldeneye	0	0	0	0	0	0
Goldeneye sp.	0	100	3	0	1	104
Harlequin	0	9	0	55	2	66
Common merganser	0	0	0	0	0	0
Merganser sp.	0	0	0	0	0	0
Mallard	0	0	0	0	0	0
Duck (unid.)	0	0	0	0	0	0
Horned grebe	0	0	0	0	0	0
Western grebe	0	0	0	0	0	0
Grebe sp.	0	0	7	2	67	76
Brandt's cormorant	0	3	7	0	0	10
D.-c. cormorant	0	0	0	0	0	0
Pelagic cormorant	0	2	73	0	0	75
Cormorant sp.	2	0	0	16	626	644
Common loon	0	0	0	1	0	1
Common murre	0	2	0	0	0	2
Murrelet	0	0	0	0	0	0
Pigeon guillemot	0	0	2	0	0	2
Crow sp.	0	0	0	0	0	0
Canada goose	0	0	0	0	0	0
Brant	0	0	0	0	0	0
Bald eagle	147	19	69	31	1	267
Great blue heron	5	1	1	0	0	7
Steller sea lion	6	56	17	8	0	87
Harbour seal	3	9	0	38	5	55
Total	6808	17102	718	13478	1505	39611

Table 6c. March 7, 1989 Lambert Channel bird and sea mammal counts.

Species	Sector					
	2	3	4	5	8	All
Gull sp.	7230	8890	4910	3830	1265	26125
Black scoter	2	0	3	0	0	5
Surf scoter	0	0	1	0	23	24
W.-winged scoter	0	0	2	0	0	2
Scoter sp.	2	0	0	4001	0	4003
Oldsquaw	1	29	0	135	5	170
Bufflehead	0	0	0	120	1	121
Barrow's goldeneye	0	0	0	0	0	0
Common goldeneye	0	0	0	0	0	0
Goldeneye sp.	0	0	0	650	0	650
Harlequin	2	0	0	606	45	653
Common merganser	0	0	8	6	8	22
Merganser sp.	0	0	0	0	0	0
Mallard	0	0	0	30	0	30
Duck (unid.)	0	0	0	0	0	0
Horned grebe	0	0	0	0	0	0
Western grebe	0	0	0	24	0	24
Grebe sp.	0	0	0	56	1	57
Brandt's cormorant	0	0	2	0	70	72
D.-c. cormorant	0	0	0	0	70	70
Pelagic cormorant	0	0	266	0	217	483
Cormorant sp.	0	0	0	44	540	584
Common loon	0	0	0	0	0	0
Common murre	0	0	0	0	0	0
Murrelet	0	0	0	0	0	0
Pigeon guillemot	0	0	0	0	0	0
Crow sp.	21	85	5	8	12	131
Canada goose	0	0	0	0	0	0
Brant	0	0	0	0	0	0
Bald eagle	52	35	35	89	13	224
Great blue heron	0	0	1	3	8	12
Steller sea lion	1	3	45	1	0	50
Harbour seal	9	0	0	54	1	64
Total	7320	9042	5278	9657	2279	33576

Table 6d. March 9, 1989 Lambert Channel bird and sea mammal counts.

Species	Sector					
	2	3	4	5	8	All
Gull sp.	7655	7795	2971	7415	1805	27641
Black scoter	0	0	1	0	0	1
Surf scoter	9	0	0	0	0	9
W.-winged scoter	0	0	0	0	0	0
Scoter sp.	25	600	2	7000	26	7653
Oldsquaw	0	0	0	767	0	767
Bufflehead	0	0	0	13	0	13
Barrow's goldeneye	0	0	0	0	0	0
Common goldeneye	0	0	0	0	0	0
Goldeneye sp.	0	22	0	2118	0	2140
Harlequin	0	8	0	1782	25	1815
Common merganser	0	0	2	0	0	2
Merganser sp.	1	0	0	3	4	8
Mallard	0	0	0	0	0	0
Duck (unid.)	0	0	0	0	0	0
Horned grebe	0	0	0	0	0	0
Western grebe	0	0	0	0	0	0
Grebe sp.	0	0	0	22	7	29
Brandt's cormorant	0	0	0	0	0	0
D.-c. cormorant	0	0	0	0	0	0
Pelagic cormorant	1	0	209	0	0	210
Cormorant sp.	0	0	0	10	527	537
Common loon	0	6	0	0	0	6
Common murre	2	8	0	0	0	10
Murrelet	0	0	0	0	0	0
Pigeon guillemot	0	0	0	0	0	0
Crow sp.	0	62	0	0	18	80
Canada goose	0	0	0	0	0	0
Brant	0	0	0	0	0	0
Bald eagle	96	17	28	56	19	216
Great blue heron	1	0	0	0	0	1
Steller sea lion	10	3	74	0	2	89
Harbour seal	32	5	1	30	28	96
Total	7832	8526	3288	19216	2461	41323

Table 6e. March 11, 1989 Lambert Channel bird and sea mammal counts.

Species	Sector					
	2	3	4	5	8	All
Gull sp.	4055	6350	11515	9250	2690	33860
Black scoter	0	0	0	0	0	0
Surf scoter	0	40	3	0	0	43
W.-winged scoter	0	0	1	0	0	1
Scoter sp.	6	0	0	6002	7	6015
Oldsquaw	0	500	0	4	4	508
Bufflehead	0	0	0	300	1	301
Barrow's goldeneye	0	0	0	0	0	0
Common goldeneye	0	0	0	0	0	0
Goldeneye sp.	0	0	0	1702	20	1722
Harlequin	0	0	0	347	22	369
Common merganser	4	0	13	0	0	17
Merganser sp.	0	1	0	0	0	1
Mallard	0	0	0	0	20	20
Duck (unid.)	17	0	0	0	0	17
Horned grebe	0	0	0	0	0	0
Western grebe	0	0	0	0	0	0
Grebe sp.	0	0	0	41	12	53
Brandt's cormorant	0	0	0	0	0	0
D.-c. cormorant	0	0	0	0	0	0
Pelagic cormorant	0	0	185	0	0	185
Cormorant sp.	0	0	1	0	327	328
Common loon	0	0	0	0	0	0
Common murre	4	7	0	4	0	15
Murrelet	0	0	0	0	2	2
Pigeon guillemot	0	0	0	0	0	0
Crow sp.	101	41	0	32	3	177
Canada goose	0	0	0	0	0	0
Brant	0	0	0	0	0	0
Bald eagle	18	17	26	8	13	82
Great blue heron	0	1	2	1	2	6
Steller sea lion	0	3	82	5	0	90
Harbour seal	3	2	0	24	32	61
Total	4208	6962	11828	17720	3155	43873

Table 6f. March 13, 1989 Lambert Channel bird and sea mammal counts.

Species	Sector					
	2	3	4	5	8	All
Gull sp.	6050	9535	3849	17575	4173	41182
Black scoter	0	0	0	0	0	0
Surf scoter	0	1	0	0	0	1
W.-winged scoter	0	0	0	0	0	0
Scoter sp.	0	0	0	7630	60	7690
Oldsquaw	0	0	0	75	0	75
Bufflehead	0	0	0	4	0	4
Barrow's goldeneye	0	0	0	0	0	0
Common goldeneye	0	0	0	0	0	0
Goldeneye sp.	8	523	0	1880	10	2421
Harlequin	0	0	0	358	25	383
Common merganser	2	0	50	0	0	52
Merganser sp.	0	0	0	100	46	146
Mallard	0	0	0	0	2	2
Duck (unid.)	0	0	0	0	0	0
Horned grebe	0	0	0	0	0	0
Western grebe	0	0	0	0	0	0
Grebe sp.	0	0	0	9	13	22
Brandt's cormorant	0	0	3	0	0	3
D.-c. cormorant	0	0	0	0	0	0
Pelagic cormorant	0	1	189	0	28	218
Cormorant sp.	0	0	1	0	300	301
Common loon	0	0	0	0	0	0
Common murre	5	11	0	0	0	16
Murrelet	0	0	0	0	0	0
Pigeon guillemot	0	0	0	0	1	1
Crow sp.	54	54	18	50	19	195
Canada goose	0	0	0	0	0	0
Brant	0	0	0	0	0	0
Bald eagle	22	26	94	37	75	254
Great blue heron	0	0	2	2	3	7
Steller sea lion	2	9	11	0	38	60
Harbour seal	4	12	0	33	26	75
Total	6147	10172	4217	27753	4819	53108

Table 6g. March 15, 1989 Lambert Channel bird and sea mammal counts.

Species	Sector					
	2	3	4	5	8	All
Gull sp.	4660	15150	6865	5825	5805	38305
Black scoter	0	0	0	0	0	0
Surf scoter	0	0	0	0	0	0
W.-winged scoter	0	0	0	0	0	0
Scoter sp.	0	2500	0	11000	0	13500
Oldsquaw	0	1500	0	500	0	2000
Bufflehead	0	0	0	275	0	275
Barrow's goldeneye	0	0	0	0	0	0
Common goldeneye	0	0	0	0	0	0
Goldeneye sp.	0	700	0	750	10	1460
Harlequin	0	1	0	309	76	386
Common merganser	2	0	34	73	8	117
Merganser sp.	0	0	0	0	0	0
Mallard	0	0	0	90	0	90
Duck (unid.)	0	0	0	0	0	0
Horned grebe	0	0	0	0	0	0
Western grebe	0	0	0	0	0	0
Grebe sp.	0	0	0	0	2	2
Brandt's cormorant	0	0	2	0	0	2
D.-c. cormorant	0	0	0	0	0	0
Pelagic cormorant	0	4	121	0	0	125
Cormorant sp.	0	0	0	0	161	161
Common loon	2	0	0	0	0	2
Common murre	3	1	0	0	0	4
Murrelet	0	0	0	0	0	0
Pigeon guillemot	0	0	5	0	0	5
Crow sp.	105	51	9	3	79	247
Canada goose	0	0	0	0	0	0
Brant	0	0	0	0	0	0
Bald eagle	19	7	58	3	53	140
Great blue heron	0	1	0	2	2	5
Steller sea lion	0	8	38	0	12	58
Harbour seal	55	3	1	115	2	176
Total	4846	19926	7133	18945	6210	57060

Table 6h. March 17, 1989 Lambert Channel bird and sea mammal counts.

Species	Sector					
	2	3	4	5	8	All
Gull sp.	11964	7700	6620	555	8075	34914
Black scoter	0	0	0	0	0	0
Surf scoter	0	2500	0	0	0	2500
W.-winged scoter	0	0	0	0	0	0
Scoter sp.	0	0	0	7000	0	7000
Oldsquaw	0	1500	0	1000	0	2500
Bufflehead	0	0	0	370	0	370
Barrow's goldeneye	0	0	0	0	0	0
Common goldeneye	0	0	0	0	0	0
Goldeneye sp.	0	800	0	710	0	1510
Harlequin	1	0	0	420	2	423
Common merganser	5	0	60	0	0	65
Merganser sp.	0	0	0	12	0	12
Mallard	0	0	0	246	0	246
Duck (unid.)	0	0	0	0	0	0
Horned grebe	0	0	0	0	0	0
Western grebe	0	0	0	0	0	0
Grebe sp.	0	0	0	5	1	6
Brandt's cormorant	0	0	0	0	0	0
D.-c. cormorant	0	0	0	0	0	0
Pelagic cormorant	0	0	184	0	0	184
Cormorant sp.	0	0	0	12	139	151
Common loon	0	0	0	1	0	1
Common murre	2	9	0	0	0	11
Murrelet	0	0	0	0	0	0
Pigeon guillemot	15	0	1	0	0	16
Crow sp.	120	85	26	0	3	234
Canada goose	0	0	0	0	0	0
Brant	40	0	0	0	0	40
Bald eagle	18	6	108	1	88	221
Great blue heron	0	0	0	1	2	3
Steller sea lion	1	2	11	2	12	28
Harbour seal	0	6	0	62	42	110
Total	12166	12608	7010	10397	8364	50545

Table 6i. March 19, 1989 Lambert Channel bird and sea mammal counts.

Species	Sector					
	2	3	4	5	8	All
Gull sp.	6250	3325	5610	1420	3255	19860
Black scoter	0	0	0	0	0	0
Surf scoter	0	2500	0	0	0	2500
W.-winged scoter	0	1000	0	0	0	1000
Scoter sp.	0	0	0	8005	0	8005
Oldsquaw	0	4000	0	2000	0	6000
Bufflehead	0	0	0	730	4	734
Barrow's goldeneye	0	0	0	0	0	0
Common goldeneye	0	0	0	0	0	0
Goldeneye sp.	0	400	0	500	0	900
Harlequin	0	0	2	265	102	369
Common merganser	0	3	76	8	0	87
Merganser sp.	0	0	0	0	0	0
Mallard	0	0	0	24	0	24
Duck (unid.)	0	0	0	0	100	100
Horned grebe	0	0	0	0	0	0
Western grebe	0	0	2	0	0	2
Grebe sp.	0	0	1	28	1	30
Brandt's cormorant	0	0	3	0	0	3
D.-c. cormorant	0	0	0	0	0	0
Pelagic cormorant	0	7	202	0	0	209
Cormorant sp.	0	0	0	0	200	200
Common loon	0	0	0	1	0	1
Common murre	1	1	0	0	0	2
Murrelet	0	0	0	0	0	0
Pigeon guillemot	0	0	0	0	0	0
Crow sp.	0	0	24	0	45	69
Canada goose	0	0	0	0	0	0
Brant	0	0	0	0	0	0
Bald eagle	8	1	61	3	56	129
Great blue heron	2	0	2	0	8	12
Steller sea lion	0	0	0	1	33	34
Harbour seal	15	6	0	30	50	101
Total	6276	11243	5983	13015	3854	40371

Table 6j. March 22, 1989 Lambert Channel bird and sea mammal counts.

Species	Sector					
	2	3	4	5	8	All
Gull sp.	3300	3490	2885	1100	3414	14189
Black scoter	0	0	0	0	0	0
Surf scoter	0	2000	0	0	0	2000
W.-winged scoter	0	500	0	0	0	500
Scoter sp.	0	0	0	800	0	800
Oldsquaw	0	4500	0	502	0	5002
Bufflehead	0	25	0	290	1	316
Barrow's goldeneye	0	0	0	0	0	0
Common goldeneye	15	325	0	0	0	340
Goldeneye sp.	0	0	0	543	0	543
Harlequin	0	40	0	291	68	399
Common merganser	6	33	27	0	0	66
Merganser sp.	0	0	0	15	51	66
Mallard	0	0	0	190	50	240
Duck (unid.)	75	0	0	0	0	75
Horned grebe	0	0	7	0	0	7
Western grebe	0	0	1	0	0	1
Grebe sp.	0	0	0	26	1	27
Brandt's cormorant	0	0	6	0	0	6
D.-c. cormorant	0	0	0	0	0	0
Pelagic cormorant	24	0	128	0	0	152
Cormorant sp.	0	0	0	60	182	242
Common loon	1	0	1	0	0	2
Common murre	2	0	0	0	0	2
Murrelet	0	0	0	0	0	0
Pigeon guillemot	0	0	3	0	0	3
Crow sp.	10	26	23	69	9	137
Canada goose	0	0	3	0	0	3
Brant	0	0	0	150	0	150
Bald eagle	6	3	18	0	77	104
Great blue heron	1	0	0	0	4	5
Steller sea lion	1	0	12	0	2	15
Harbour seal	31	1	0	145	105	282
Total	3472	10943	3114	4181	3964	25674

Table 6k. April 4, 1989 Lambert Channel bird and sea mammal counts.

Species	Sector					
	2	3	4	5	8	All
Gull sp.	67	70	39	46	384	606
Black scoter	0	0	0	0	0	0
Surf scoter	0	0	0	0	0	0
W.-winged scoter	0	0	0	0	0	0
Scoter sp.	2005	15	3	23	12	2058
Oldsquaw	1000	0	0	0	0	1000
Bufflehead	0	100	0	726	0	826
Barrow's goldeneye	0	0	0	0	0	0
Common goldeneye	0	0	0	0	0	0
Goldeneye sp.	150	250	0	366	20	786
Harlequin	1	62	0	315	135	513
Common merganser	0	80	135	0	0	215
Merganser sp.	31	0	0	26	52	109
Mallard	50	33	0	70	40	193
Duck (unid.)	20	0	0	850	0	870
Horned grebe	0	0	0	0	0	0
Western grebe	0	0	0	0	0	0
Grebe sp.	14	13	10	12	2	51
Brandt's cormorant	0	0	0	0	0	0
D.-c. cormorant	0	0	0	0	0	0
Pelagic cormorant	78	29	241	63	141	552
Cormorant sp.	0	8	0	0	0	8
Common loon	3	3	0	0	0	6
Common murre	0	0	20	0	0	20
Murrelet	0	0	5	0	0	5
Pigeon guillemot	0	0	17	0	1	18
Crow sp.	1	37	0	13	0	51
Canada goose	0	0	0	0	0	0
Brant	0	40	0	215	0	255
Bald eagle	5	1	34	8	13	61
Great blue heron	3	2	1	3	1	10
Steller sea lion	2	2	7	0	1	12
Harbour seal	32	5	0	83	46	166
Total	3462	750	512	2819	848	8391

Table 7a. February 28, 1990 Lambert Channel bird and sea mammal counts.

Species	Sector					
	2	3	4	5	8	All
Gull sp.	73	8987	20	527	569	10176
Scoter sp.	397	435	66	371	103	1372
Oldsquaw	63	20	2	8	176	269
Bufflehead	76	77	33	141	81	408
Goldeneye sp.	170	96	39	882	64	1251
Harlequin	8	26	10	60	100	204
Merganser sp.	6	9	2	18	6	41
Mallard	12	8	0	90	5	115
Duck (unid.)	0	0	0	0	0	0
Grebe sp.	2	1	3	0	8	14
Cormorant sp.	6	5	30	53	597	691
Common loon	1	8	0	0	0	9
Common murre	0	0	0	0	2	2
Murrelet	0	0	0	0	0	0
Pigeon guillemot	0	0	0	0	0	0
Belted kingfisher	0	0	0	0	0	0
Crow sp.	0	47	0	25	4	76
Canada goose	0	0	5	0	0	5
Brant	0	0	0	0	0	0
Bald eagle	4	172	2	5	16	199
Great blue heron	0	3	2	2	7	14
American widgeon	0	0	0	0	50	50
Steller sea lion	0	1	12	0	0	13
Harbour seal	24	9	0	85	10	128
Total	842	9904	226	2267	1798	15037

Table 7b. March 6, 1990 Lambert Channel bird and sea mammal counts.

Species	Sector					
	2	3	4	5	8	All
Gull sp.	12550	11060	6663	8410	797	39480
Scoter sp.	7	6920	52	132	108	7219
Oldsquaw	0	500	0	5	0	505
Bufflehead	0	40	0	509	16	565
Goldeneye sp.	14	910	0	504	79	1507
Harlequin	0	60	6	90	55	211
Merganser sp.	0	7	26	15	7	55
Mallard	0	0	0	0	40	40
Duck (unid.)	0	0	3	0	0	3
Grebe sp.	0	0	0	50	2	52
Cormorant sp.	19	4	295	0	1038	1356
Common loon	0	0	0	0	0	0
Common murre	9	0	0	0	2	11
Murrelet	0	0	0	0	0	0
Pigeon guillemot	0	0	0	0	1	1
Belted kingfisher	0	0	1	0	0	1
Crow sp.	0	45	1	60	21	127
Canada goose	0	0	0	0	10	10
Brant	0	0	0	0	0	0
Bald eagle	319	58	92	196	27	692
Great blue heron	1	1	1	4	1	8
American widgeon	0	0	0	0	0	0
Steller sea lion	11	49	107	5	4	176
Harbour seal	44	3	0	100	17	164
Total	12974	19657	7247	10080	2225	52183

Table 7c. March 8, 1990 Lambert Channel bird and sea mammal counts.

Species	Sector					
	2	3	4	5	8	All
Gull sp.	4200	7425	4677	12250	4024	32576
Scoter sp.	52	4470	3	10002	7	14534
Oldsquaw	1	1500	0	0	0	1501
Bufflehead	22	800	3	1062	7	1894
Goldeneye sp.	36	360	22	1050	0	1468
Harlequin	5	380	70	102	42	599
Merganser sp.	14	2	15	63	17	111
Mallard	5	0	0	200	80	285
Duck (unid.)	0	0	0	0	0	0
Grebe sp.	2	5	4	30	18	59
Cormorant sp.	0	0	136	0	1806	1942
Common loon	0	0	0	0	0	0
Common murre	0	0	1	0	0	1
Murrelet	0	0	0	0	0	0
Pigeon guillemot	0	0	0	0	0	0
Belted kingfisher	0	0	2	0	0	2
Crow sp.	190	87	32	55	0	364
Canada goose	0	0	0	0	0	0
Brant	0	0	0	0	0	0
Bald eagle	244	101	143	151	57	696
Great blue heron	0	1	0	2	1	4
American widgeon	0	0	0	0	0	0
Steller sea lion	18	18	62	10	22	130
Harbour seal	53	4	0	88	8	153
Total	4842	15153	5170	25065	6089	56319

Table 7d. March 11, 1990 Lambert Channel bird and sea mammal counts.

Species	Sector					
	2	3	4	5	8	All
Gull sp.	8220	5789	3326	7975	1052	26362
Scoter sp.	0	2500	28	7652	3	10183
Oldsquaw	0	4000	0	0	0	4000
Bufflehead	0	0	0	534	12	546
Goldeneye sp.	186	380	0	700	8	1274
Harlequin	25	124	8	470	55	682
Merganser sp.	0	0	22	7	18	47
Mallard	0	0	0	106	65	171
Duck (unid.)	0	0	0	0	20	20
Grebe sp.	0	0	0	11	9	20
Cormorant sp.	12	4	167	10	1141	1334
Common loon	0	0	0	0	0	0
Common murre	0	0	0	0	0	0
Murrelet	0	0	0	0	0	0
Pigeon guillemot	0	0	2	0	0	2
Belted kingfisher	0	0	0	0	0	0
Crow sp.	100	10	35	15	5	165
Canada goose	0	0	0	0	3	3
Brant	0	0	0	0	0	0
Bald eagle	102	22	71	65	76	336
Great blue heron	1	0	0	2	3	6
American widgeon	0	0	0	0	0	0
Steller sea lion	2	13	25	5	50	95
Harbour seal	14	1	0	145	11	171
Total	8662	12843	3684	17697	2531	45417

Table 7e. March 14, 1990 Lambert Channel bird and sea mammal counts.

Species	Sector					
	2	3	4	5	8	All
Gull sp.	5725	5990	2292	7375	345	21727
Scoter sp.	116	475	0	12000	32	12623
Oldsquaw	0	0	0	0	0	0
Bufflehead	0	0	0	543	6	549
Goldeneye sp.	0	222	0	2132	15	2369
Harlequin	2	43	0	912	43	1000
Merganser sp.	7	43	50	324	18	442
Mallard	2	0	0	250	100	352
Duck (unid.)	0	0	0	0	19	19
Grebe sp.	0	0	0	20	14	34
Cormorant sp.	9	61	226	5	1684	1985
Common loon	0	0	0	1	0	1
Common murre	4	8	0	0	0	12
Murrelet	0	0	0	0	0	0
Pigeon guillemot	0	0	0	0	0	0
Belted kingfisher	0	1	0	0	0	1
Crow sp.	45	110	0	30	1	186
Canada goose	0	0	0	0	0	0
Brant	0	0	0	0	0	0
Bald eagle	47	17	59	29	112	264
Great blue heron	0	2	0	1	0	3
American widgeon	0	0	0	0	0	0
Steller sea lion	8	6	42	4	46	106
Harbour seal	10	3	0	104	35	152
Total	5975	6981	2669	23730	2470	41825

Table 7f. March 16, 1990 Lambert Channel bird and sea mammal counts.

Species	Sector					
	2	3	4	5	8	All
Gull sp.	6175	4250	2590	7260	404	20679
Scoter sp.	3000	500	6	24700	0	28206
Oldsquaw	0	3700	0	0	0	3700
Bufflehead	0	0	0	550	12	562
Goldeneye sp.	2	452	0	1000	0	1454
Harlequin	0	0	5	450	79	534
Merganser sp.	0	0	76	23	5	104
Mallard	8	2	0	254	40	304
Duck (unid.)	12	8	0	0	83	103
Grebe sp.	0	0	0	9	16	25
Cormorant sp.	0	18	85	0	882	985
Common loon	0	0	0	2	0	2
Common murre	3	0	0	0	0	3
Murrelet	0	0	0	0	0	0
Pigeon guillemot	0	2	1	0	0	3
Belted kingfisher	0	0	0	0	0	0
Crow sp.	0	33	15	6	4	58
Canada goose	0	0	0	0	0	0
Brant	0	0	0	0	0	0
Bald eagle	13	9	54	41	80	197
Great blue heron	0	0	0	1	3	4
American widgeon	0	0	0	0	0	0
Steller sea lion	1	0	68	2	18	89
Harbour seal	41	1	0	99	30	171
Total	9255	8975	2900	34397	1656	57183

Table 7g. March 19, 1990 Lambert Channel bird and sea mammal counts.

Species	Sector					
	2	3	4	5	8	All
Gull sp.	15800	2600	2650	9125	633	30808
Scoter sp.	0	800	0	17700	14	18514
Oldsquaw	2000	1900	0	3000	0	6900
Bufflehead	0	0	0	400	5	405
Goldeneye sp.	0	0	0	1000	0	1000
Harlequin	0	0	12	932	25	969
Merganser sp.	1	0	68	12	21	102
Mallard	0	0	0	134	0	134
Duck (unid.)	0	50	0	0	0	50
Grebe sp.	0	0	3	10	3	16
Cormorant sp.	70	16	234	140	1618	2078
Common loon	0	0	0	0	0	0
Common murre	0	0	0	5	0	5
Murrelet	0	0	0	0	0	0
Pigeon guillemot	0	0	0	1	0	1
Belted kingfisher	0	0	0	0	0	0
Crow sp.	23	25	15	32	0	95
Canada goose	0	0	0	0	5	5
Brant	0	0	0	0	0	0
Bald eagle	25	3	17	6	45	96
Great blue heron	1	0	0	3	1	5
American widgeon	0	0	0	0	12	12
Steller sea lion	0	0	24	2	5	31
Harbour seal	28	5	0	100	19	152
Total	17948	5399	3023	32602	2406	61378

Table 7h. March 21, 1990 Lambert Channel bird and sea mammal counts.

Species	Sector					
	2	3	4	5	8	All
Gull sp.	7070	2080	1800	3225	315	14490
Scoter sp.	6006	500	0	17500	0	24006
Oldsquaw	0	3500	0	1000	0	4500
Bufflehead	0	0	0	452	7	459
Goldeneye sp.	6	702	0	1002	0	1710
Harlequin	0	0	0	527	62	589
Merganser sp.	0	5	197	63	32	297
Mallard	0	0	0	272	22	294
Duck (unid.)	0	32	0	0	0	32
Grebe sp.	0	0	3	10	13	26
Cormorant sp.	7	32	180	0	1625	1844
Common loon	0	0	0	0	1	1
Common murre	0	0	0	0	0	0
Murrelet	6	6	0	0	0	12
Pigeon guillemot	1	0	0	0	0	1
Belted kingfisher	0	0	0	0	0	0
Crow sp.	5	35	40	0	0	80
Canada goose	0	0	0	0	0	0
Brant	0	0	0	0	0	0
Bald eagle	6	5	33	5	55	104
Great blue heron	1	1	0	2	2	6
American widgeon	0	0	0	0	70	70
Steller sea lion	4	5	19	30	43	101
Harbour seal	24	1	0	91	10	126
Total	13136	6904	2272	24179	2257	48748

Table 7i. March 23, 1990 Lambert Channel bird and sea mammal counts.

Species	Sector					
	2	3	4	5	8	All
Gull sp.	11045	400	730	555	272	13002
Scoter sp.	3060	1000	0	15120	25	19205
Oldsquaw	3000	500	0	5010	0	8510
Bufflehead	0	40	0	301	6	347
Goldeneye sp.	0	66	0	450	0	516
Harlequin	5	3	7	219	23	257
Merganser sp.	0	0	97	44	6	147
Mallard	2	0	0	70	80	152
Duck (unid.)	70	36	0	0	0	106
Grebe sp.	0	0	0	25	23	48
Cormorant sp.	785	44	164	19	878	1890
Common loon	0	0	0	14	2	16
Common murre	1	1	3	0	0	5
Murrelet	0	0	0	0	2	2
Pigeon guillemot	5	0	2	3	2	12
Belted kingfisher	0	0	0	0	0	0
Crow sp.	5	35	20	4	0	64
Canada goose	0	0	2	0	0	2
Brant	0	0	0	50	0	50
Bald eagle	4	2	24	4	37	71
Great blue heron	1	0	3	1	4	9
American widgeon	0	0	0	0	25	25
Steller sea lion	0	6	10	0	5	21
Harbour seal	15	0	1	124	11	151
Total	17998	2133	1063	22013	1401	44608

Table 7j. March 25, 1990 Lambert Channel bird and sea mammal counts.

Species	Sector					
	2	3	4	5	8	All
Gull sp.	4580	763	1137	1215	244	7939
Scoter sp.	6325	55	0	17500	28	23908
Oldsquaw	700	0	0	7600	0	8300
Bufflehead	0	87	0	407	18	512
Goldeneye sp.	29	257	0	900	1	1187
Harlequin	0	6	20	474	40	540
Merganser sp.	0	54	188	7	34	283
Mallard	0	2	2	116	12	132
Duck (unid.)	44	75	2	0	0	121
Grebe sp.	0	0	0	7	20	27
Cormorant sp.	127	104	413	24	764	1432
Common loon	1	0	0	2	1	4
Common murre	0	1	1	0	0	2
Murrelet	0	0	0	0	0	0
Pigeon guillemot	1	1	6	0	0	8
Belted kingfisher	0	0	0	0	0	0
Crow sp.	10	45	1	30	20	106
Canada goose	0	0	0	0	0	0
Brant	0	0	0	80	0	80
Bald eagle	4	2	40	12	66	124
Great blue heron	5	7	2	6	5	25
American widgeon	0	0	0	0	80	80
Steller sea lion	4	3	2	2	5	16
Harbour seal	30	5	0	184	20	239
Total	11860	1467	1814	28566	1358	45065

Table 8. Number of epibenthic organisms (excluding small snails, amphipods, and sand dollars) observed in 1989 within 1 m on either side of transects.

Species	Transect 1	2	5	6	7	8	9	10
Crabs								
C. gracilis	0	0	0	1	0	0	0	0
C. magister	0	1	0	0	1	0	0	0
O. gracilis	0	0	0	3	0	0	0	0
Pagarus sp.	0	0	0	3	1	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0
P. producta	3	17	3	3	0	4	3	7
Starfish								
D. imbricata	4	12	0	0	0	10	7	27
E. troschelii	4	0	1	0	0	1	4	1
H. leviuscula	7	1	1	0	0	1	0	5
M. aequalis	9	0	0	0	0	0	0	0
O. kohleri	2	0	0	0	0	0	0	0
P. brevispinus	31	14	8	0	0	1	7	0
P. ochraceus	0	0	3	4	5	1	2	7
P. helianthoides	34	5	2	6	1	5	2	0
Solaster sp.	4	0	0	0	0	2	0	0
Sea anemones								
A. artemisia	0	1	4	0	0	0	0	0
A. elegantissima	0	0	1	0	0	0	0	0
M. senile	0	0	0	0	0	0	6	0
Urticina sp.	33	3	10	5	0	0	0	1
Pachycerianthus sp.	1	0	0	64	71	0	0	0
Sea cucumbers								
Cucumeria sp.	0	32	4	0	0	0	0	140
E. quinquesemita	0	0	1	0	0	0	0	0
P. californicus	1	0	0	0	0	0	0	1
Urchins								
S. droebachiensis	0	0	1	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	24	1
Miscellaneous								
Tube worm	0	0	8	0	0	0	0	100
Shrimp	0	0	1	1	0	0	0	1
Chiton	0	0	0	0	0	0	0	6
Limpet	0	0	0	0	0	0	0	21
Nudibranch	0	0	2	0	0	0	0	2
Fish	3	0	0	0	0	1	0	1

Table 9a. Number of epibenthic organisms (excluding small snails and amphipods) observed in 1990 within 1 m on either side of transect 1.

Species	Day of incubation				
	2	3	7	9	13
Crabs					
C. gracilis	0	0	0	0	0
C. magister	0	0	1	0	0
C. productus	0	1	0	0	1
Hemigraspus sp.	0	0	0	0	0
Oregonia g.	1	3	0	0	1
Pagarus sp.	1	2	0	0	0
P. eriomerus	0	0	0	0	0
P. producta	18	18	18	59	34
T. cheiragonus	0	0	0	2	0
Starfish					
A. squamata	0	0	0	0	0
D. imbricata	7	52	23	18	33
E. troschelii	1	1	1	4	1
H. leviuscula	9	5	4	0	3
N. aequalis	3	0	1	0	0
O. kohleri	5	0	0	0	0
P. brevispinus	51	26	22	27	37
P. ochraceus	5	7	1	7	2
P. helianthoides	27	19	23	25	24
Solaster sp.	8	0	0	3	0
Snails					
P. lewisii	2	8	1	0	0
Sea anemones					
A. artemisia	9	2	0	0	1
A. elegantissima	1	0	0	0	0
M. senile	0	0	0	0	0
Urticina sp.	72	71	63	49	56
Pachycerianthus sp.	0	0	0	0	0
Sea cucumbers					
Cucumeria sp.	2	82	4	23	7
E. quinquesemita	0	0	0	0	0
Urchins					
S. franciscanus	0	0	0	0	0
Miscellaneous					
Polychaete worm	0	0	0	0	0
Nemertean worm	0	0	0	0	0
Shrimp	0	0	0	0	0
Chiton	0	0	0	0	0
Limpet	0	0	0	0	0
Clam	0	0	0	0	0
Nudibranch	7	4	2	0	9
Fish	2	4	1	2	2

Table 9b. Number of epibenthic organisms (excluding small snails and amphipods) observed in 1990 within 1 m on either side of transect 6.

Species	Day of incubation			
	4	6	10	12
Crabs				
C. gracilis	0	0	0	0
C. magister	0	0	0	1
C. productus	0	1	0	0
Hemigraspus sp.	0	0	0	0
Oregonia g.	1	1	3	0
Pagarus sp.	0	0	0	0
P. eriomerus	0	0	0	0
P. producta	66	5	59	29
T. cheiragonus	0	0	0	0
Starfish				
A. squamata	0	0	0	1
D. imbricata	5	3	0	4
E. troschelii	2	1	1	1
H. leviuscula	1	1	0	4
M. aequalis	0	0	0	0
O. kohleri	0	0	0	0
P. brevispinus	10	2	6	2
P. ochraceus	1	0	10	5
P. helianthoides	5	6	3	3
Solaster sp.	0	1	2	0
Snails				
P. lewisii	7	5	9	9
Sea anemones				
A. artemisia	2	0	0	2
A. elegantissima	0	1	0	1
M. senile	0	2	5	4
Urticina sp.	23	0	2	2
Pachycerianthus sp.	33	45	187	6
Sea cucumbers				
Cucumeria sp.	0	0	0	0
E. quinquesemita	0	0	0	0
Urchins				
S. franciscanus	0	0	0	0
Miscellaneous				
Polychaete worm	0	1	0	0
Nemertean worm	0	0	0	0
Shrimp	0	0	0	0
Chiton	0	0	0	0
Limpet	1	0	0	0
Clam	0	0	0	2
Nudibranch	11	8	1	2
Fish	0	0	0	0

Table 9c. Number of epibenthic organisms (excluding small snails and amphipods) observed in 1990 within 1 m on either side of transect 8.

Species	Day of incubation			
	3	5	9	11
Crabs				
C. gracilis	0	0	0	0
C. magister	0	0	0	0
C. productus	0	0	0	0
Hemigraspus sp.	0	0	0	0
Oregonia g.	1	1	0	0
Pagarus sp.	0	0	0	0
P. eriomerus	0	0	2	0
P. producta	0	2	1	5
T. cheiragonus	0	0	0	0
Starfish				
A. squamata	0	0	0	0
D. imbricata	32	17	19	16
E. troschelii	1	1	2	1
H. leviuscula	6	0	0	1
M. aequalis	0	0	0	0
O. kohleri	0	0	1	0
P. brevispinus	1	3	1	4
P. ochraceus	0	0	2	1
P. helianthoides	1	2	2	1
Solaster sp.	0	0	0	0
Snails				
P. lewisii	0	0	0	0
Sea anemones				
A. artemisia	31	1	0	20
A. elegantissima	19	16	5	0
M. senile	76	0	0	1
Urticina sp.	6	1	9	1
Pachycerianthus sp.	30	22	26	15
Sea cucumbers				
Cucumeria sp.	5	2	7	1
E. quinquesemita	0	1	0	1
Urchins				
S. franciscanus	0	0	0	0
Miscellaneous				
Polychaete worm	0	0	0	0
Nemertean worm	0	0	0	0
Shrimp	0	0	0	0
Chiton	0	0	0	0
Limpet	10	0	0	0
Clam	0	0	0	0
Nudibranch	2	0	4	0
Fish	1	5	4	4

Table 9d. Number of epibenthic organisms (excluding small snails and amphipods) observed in 1990 within 1 m on either side of transect 9.

Species	Day of incubation 4	8	10	14
Crabs				
C. gracilis	1	0	0	0
C. magister	4	0	1	0
C. productus	0	0	0	0
Hemigraspus sp.	1	0	0	0
Oregonia g.	0	0	0	0
Pagarus sp.	1	0	0	0
P. eriomerus	0	0	0	1
P. producta	2	4	1	1
T. cheiragonus	0	0	0	0
Starfish				
A. squamata	0	0	0	0
D. imbricata	23	18	21	12
E. troschelii	0	2	2	0
H. leviuscula	0	1	5	0
M. aequalis	0	0	0	0
O. kohleri	0	1	2	2
P. brevispinus	17	14	19	25
P. ochraceus	9	24	19	9
P. helianthoides	3	1	1	0
Solaster sp.	0	0	1	0
Snails				
P. lewisii	2	8	1	0
Sea anemones				
A. artemisia	1	0	0	0
A. elegantissima	0	2	0	0
M. senile	0	0	2	0
Urticina sp.	0	0	0	0
Pachycerianthus sp.	0	0	0	0
Sea cucumbers				
Cucumeria sp.	22	26	35	12
E. quinquesemita	3	2	6	11
Urchins				
S. franciscanus	0	13	1	0
Miscellaneous				
Polychaete worm	0	177	12	31
Nemertean worm	0	2	2	1
Shrimp	0	0	2	0
Chiton	3	1	1	0
Limpet	0	17	0	0
Clam	0	0	0	0
Nudibranch	0	22	16	5
Fish	0	0	1	0

Table 9e. Number of epibenthic organisms (excluding small snails and amphipods) observed in 1990 within 1 m on either side of transect 11.

Species	Day of incubation			
	6	8	10	12
Crabs				
C. gracilis	0	0	0	0
C. magister	0	0	0	0
C. productus	0	0	0	0
Hemigraspus sp.	0	0	0	0
Oregonia g.	0	0	0	0
Pagarus sp.	4	0	0	0
P. eriomerus	0	0	0	0
P. producta	9	0	3	0
T. cheiragonus	0	0	0	0
Starfish				
A. squamata	0	0	0	0
D. imbricata	1	0	0	1
E. troschelii	0	0	0	0
H. leviuscula	0	0	0	1
M. aequalis	2	0	1	1
O. kohleri	0	0	0	0
P. brevispinus	1	5	0	0
P. ochraceus	0	2	2	0
P. helianthoides	3	0	1	0
Solaster sp.	0	0	0	0
Snails				
P. lewisii	0	0	0	0
Sea anemones				
A. artemisia	0	0	0	0
A. elegantissima	3	2	0	3
M. senile	3	9	0	0
Urticina sp.	2	0	0	0
Pachycerianthus sp.	0	0	0	0
Sea cucumbers				
Cucumeria sp.	2	5	5	2
E. quinquesemita	0	0	0	0
Urchins				
S. franciscanus	0	0	0	0
Miscellaneous				
Polychaete worm	0	0	0	0
Nemertean worm	0	0	0	1
Shrimp	5	1	0	0
Chiton	0	1	2	0
Limpet	0	0	1	0
Clam	0	1	0	1
Nudibranch	0	0	2	0
Fish	0	0	0	0

Table 9f. Number of epibenthic organisms (excluding small snails and amphipods) observed in 1990 within 1 m on either side of transect 12.

Species	Day of incubation			
	4	8	10	12
Crabs				
C. gracilis	0	0	0	0
C. magister	1	0	0	0
C. productus	0	0	0	0
Hemigraspus sp.	0	0	0	0
Oregonia g.	0	0	0	0
Pagarus sp.	0	0	0	0
P. eriomerus	0	0	0	0
P. producta	3	6	3	1
T. cheiragonus	0	1	0	0
Starfish				
A. squamata	0	0	0	0
D. imbricata	3	5	1	6
E. troschelii	0	0	3	2
H. leviuscula	0	0	0	0
M. aequalis	10	18	6	15
O. kohleri	0	0	0	0
P. brevispinus	3	3	1	1
P. ochraceus	14	20	7	9
P. helianthoides	2	1	1	2
Solaster sp.	1	0	0	0
Snails				
P. lewisii	0	2	2	1
Sea anemones				
A. artemisia	0	0	0	0
A. elegantissima	0	0	0	0
M. senile	0	0	0	0
Urticina sp.	17	12	5	3
Pachycerianthus sp.	0	0	0	0
Sea cucumbers				
Cucumeria sp.	1	0	0	0
E. quinquesemita	0	0	0	0
Urchins				
S. franciscanus	0	0	0	0
Miscellaneous				
Polychaete worm	0	0	0	0
Nemertean worm	0	0	0	0
Shrimp	0	0	0	0
Chiton	0	0	0	0
Limpet	0	0	0	0
Clam	0	0	0	0
Nudibranch	1	1	0	0
Fish	0	0	1	0

Table 10a. Number of epibenthic organisms observed in 1989 in 0.5 m^2 quadrats on transect 1. Fish were not counted and urchins were not encountered in quadrats.

Species	Quadrat																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Crabs																								
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	24	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	1	0	3	0	1	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Starfish																								
D. imbricata	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. kohleri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Snails																								
B. eschrichtii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
Margarites sp.	84	72	800	200	108	480	208	256	260	0	0	0	0	0	0	0	6	120	100	80	80	0	480	0
Mitrella sp.	0	0	0	0	0	0	32	0	0	0	60	64	12	16	6	0	0	0	0	0	0	0	0	48
Sea anemones																								
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerianth. sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																								
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. quinquesemita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. californicus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																								
Tube worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sand dollar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 10b. Number of epibenthic organisms observed in 1989 in 0.5 m^2 quadrats on transect 2. Fish were not counted and urchins were not encountered in quadrats.

Species	Quadrat																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Crabs																					
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	1	2	2	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Starfish																					
D. imbricata	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. kohleri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																					
B. eschrichtii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. virescens	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitrella sp.	0	0	100	20	5	0	25	2	50	50	0	0	0	100	0	0	0	0	0	0	0
Sea anemones																					
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerianth. sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																					
Cucumeria sp.	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. quinquesemita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. californicus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																					
Tube worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	0	0	0	0	0	0	0	0	pr	0	0	0	0	0	0	0	0	0	50
Shrimp	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sand dollar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	200	200	0	0	0

Table 10c. Number of epibenthic organisms observed in 1989 in 0.5 m^2 quadrats on transect 5. Fish were not counted and urchins were not encountered in quadrats.

Species	Quadrat																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Crabs																							
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Starfish																							
D. imbricata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. kohleri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																							
B. eschrichtii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitrella sp.	0	0	0	0	25	0	100	0	0	0	0	0	0	0	0	100	75	0	0	25	10	25	0
Sea anemones																							
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerianth. sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																							
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. quinquesemita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. californicus	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																							
Tube worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Amphipod	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sand dollar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 10d. Number of epibenthic organisms observed in 1989 in 0.5 m^2 quadrats on transect 6. Fish were not counted and urchins were not encountered in quadrats.

Species	Quadrat																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Crabs																									
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	0	16	0	12	10	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	1	0	6	1	0	0	0	0	0
Starfish																									
D. imbricata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. kohleri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																									
B. eschrichtii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. virescens	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitrella sp.	0	10	2	0	0	0	0	0	0	2	0	0	0	3	0	0	2	172	0	12	10	60	10	0	0
Sea anemones																									
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerianth. sp.	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																									
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. quinquesemita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. californicus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																									
Tube worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	0	0	0	pr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sand dollar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 10e. Number of epibenthic organisms observed in 1989 in 0.5 m^2 quadrats on transect 7. Fish were not counted and urchins were not encountered in quadrats.

Species	Quadrat																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Crabs																		
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3
Starfish																		
D. imbricata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. kohleri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																		
B. eschrichtii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitrella sp.	100	100	100	150	50	100	100	50	100	100	100	50	50	0	0	0	0	0
Sea anemones																		
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerianth. sp.	1	0	6	11	8	11	1	1	0	0	0	0	0	1	0	0	0	0
Sea cucumbers																		
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. quinquesemita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. californicus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																		
Tube worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sand dollar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 10f. Number of epibenthic organisms observed in 1989 in 0.5 m^2 quadrats on transect 8. Fish were not counted and urchins were not encountered in quadrats.

Species	Quadrat 1	2	3	4	5	6	7	8	9	10	11
Crabs											
C. gracilis	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	40	60	0	40	20	0	0	0	10	5
P. eriomerus	0	0	0	0	0	0	12	20	0	0	0
P. producta	4	0	5	0	0	0	1	0	0	0	0
Starfish											
D. imbricata	0	0	0	0	0	0	1	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	1	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0
O. kohleri	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0
Snails											
B. eschrichtii	0	0	0	200	120	80	0	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	260	180	220	280	180	140	0	0	0	0	0
Mitrella sp.	120	80	100	120	60	40	36	0	0	0	0
Sea anemones											
A. artemisia	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	10
M. senile	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0
Pachycerianth. sp.	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers											
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0
E. quinquesemita	0	0	0	0	0	0	0	0	0	0	0
P. californicus	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous											
Tube worm	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	0	0	0	0	0	0	0	0	0
Shrimp	0	0	0	0	0	0	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0
Sand dollar	0	0	0	0	0	0	0	0	0	0	0

Table 10g. Number of epibenthic organisms observed in 1989 in 0.5 m^2 quadrats on transect 9. Fish were not counted and urchins were not encountered in quadrats.

Species	Quadrat 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Crabs																				
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Starfish																				
D. imbricata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. kohleri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																				
B. eschrichtii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0
Mitrella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0
Sea anemones																				
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerianth. sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																				
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. quinquesemita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. californicus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																				
Tube worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	pr	0	0	pr	0	0	0	pr	0	0	0	pr	0	0	0	0	0	0
Shrimp	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sand dollar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 10h. Number of epibenthic organisms observed in 1989 in 0.5 m^2 quadrats on transect 10. Fish were not counted and urchins were not encountered in quadrats.

Species	Quadrat																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Crabs																			
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	0	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Starfish																			
D. imbricata	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. kohleri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																			
B. eschrichtii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitrella sp.	100	10	10	0	0	10	0	10	5	0	0	0	0	0	0	0	0	0	0
Sea anemones																			
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerianth. sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																			
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. quinquesemita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. californicus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																			
Tube worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	50	50	75	50	50	0	0	50	0	50	0	0	0	0	0	0	0
Shrimp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chiton	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sand dollar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 11a. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 1 on second incubation day.

Species	Quadrat																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Crabs																								
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	28	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Starfish																								
A. squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Snails																								
B. eschrichtii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	40	52	68	24	172	212	52	240	20	0	0	0	0	0	68	44	24	44	28	104	52	0	0	0
Mitrella sp.	0	0	0	0	0	0	0	0	0	60	92	0	76	108	0	0	0	0	0	0	24	48	172	60
Sea anemones																								
A. artemisia	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																								
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urchins																								
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																								
Polychaete worm	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Amphipod	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 11b. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 1 on third incubation day.

Species	Quadrat 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Crabs																								
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	0	1	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Starfish																								
A. squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																								
B. eschrichtii	0	0	0	0	0	0	12	0	0	0	60	0	12	48	0	0	0	0	0	0	0	0	0	0
N. virescens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	8	0	0	0	0	0	0	0
Margarites sp.	72	336	96	216	68	312	320	508	248	212	600	500	180	200	0	0	0	0	0	0	0	20	0	0
Mitrella sp.	32	0	0	0	0	60	48	0	52	16	28	24	24	16	48	28	56	0	0	0	144	8	0	0
Sea anemones																								
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																								
Cucumeria sp.	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urchins																								
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																								
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp	0	2	3	0	0	12	0	0	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0

Table 11c. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 1 on seventh incubation day.

Species	Quadrat																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Crabs																						
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	12	0	0
Pagarus sp.	28	0	0	0	24	0	16	0	0	0	0	12	91	0	12	48	0	0	0	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	0	0	0	0	0	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Starfish																						
A. squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																						
B. eschrichtii	0	0	0	12	20	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	0	16	0	0	0	24	0	0	0	0	0	0	0	0
Margarites sp.	216	332	168	132	108	172	120	240	28	344	288	160	152	32	0	0	0	0	0	0	0	0
Mitrella sp.	12	24	0	0	0	0	0	0	88	12	48	0	0	52	88	120	72	0	152	80	0	0
Sea anemones																						
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																						
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urchins																						
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																						
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	10	0	0	5	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp	0	0	0	0	0	0	0	0	5	0	6	3	0	0	0	6	0	0	0	0	0	0
Chiton	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0

Table 11d. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 1 on ninth incubation day.

Species	Quadrat																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Crabs																						
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	0	0	0	0	0	80	0	0	0	0	0	0	0	0	0	0	0	0	0	24
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	2	0	0	0	0	0	0	0	0	0	0	8	2	8	0	0	0	0	0	0	0	0
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Starfish																						
A. squamata	0	0	0	0	0	0	0	0	80	48	0	0	0	0	2	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	2	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																						
B. eschrichtii	0	0	0	0	0	0	0	0	0	48	28	0	0	0	0	0	0	0	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	212	236	112	60	120	48	368	480	184	188	116	148	120	0	24	0	0	0	0	0	0	0
Mitrella sp.	0	0	0	0	0	0	0	0	0	0	8	0	0	0	64	84	108	0	0	68	76	0
Sea anemones																						
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																						
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urchins																						
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																						
Polychaete worm	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0

Table 11e. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 1 on thirteenth incubation day.

Species	Quadrat 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Crabs																								
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T. cheiragonus	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Starfish																								
A. squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																								
B. eschrichtii	0	0	0	0	20	0	0	16	0	0	24	8	0	0	0	0	0	0	0	0	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	94	32	92	68	108	268	252	240	148	228	160	280	148	56	60	16	0	0	0	0	0	0	0	0
Mitrella sp.	0	0	0	0	0	0	0	0	0	0	0	80	48	48	12	40	48	92	28	0	0	40	0	0
Sea anemones																								
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																								
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urchins																								
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																								
Polychaete worm	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	0	4	72	12	40	0	0	0	0	0	0	0	0	120	0	0	0	0	0	0	0	0
Shrimp	0	0	0	0	4	0	0	0	0	0	0	0	12	0	0	0	4	0	0	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 11f. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 6 on fourth incubation day.

Species	Quadrat																								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Crabs																										
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	0	0	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	0	0	2	0	3	1	0	2	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Starfish																										
A. squamata	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																										
B. eschrichtii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. virescens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	0	0	20	0	0	0	16	0	0	0	0	0	0	16	16	0	60	32	16	0	24	60	16	16	16	16
Mitrella sp.	32	16	16	0	0	80	0	16	0	0	48	40	24	0	0	0	0	0	0	28	0	0	0	0	0	0
Sea anemones																										
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																										
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urchins																										
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																										
Polychaete worm	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	5
Shrimp	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Chiton	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 11g. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 6 on fifth incubation day.

Species	Quadrat 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Crabs																						
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	0	0	1	0	2	0	0	0	2	1	1	0	0	0	0	0	0	1	0	0	0	0
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Starfish																						
A. squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																						
B. eschrichtii	0	0	0	0	16	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0
M. virescens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
Mitrella sp.	4	8	12	32	0	0	40	8	12	0	0	0	0	0	8	0	8	0	0	8	8	0
Sea anemones																						
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																						
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urchins																						
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																						
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Shrimp	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 11h. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 6 on sixth incubation day.

Species	Quadrat																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Crabs																						
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Starfish																						
A. squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																						
B. eschrichtii	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4	0	12	12	12
H. virescens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	0	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitrella sp.	0	0	0	8	0	40	8	60	0	36	40	16	20	24	16	40	12	24	12	8	4	8
Sea anemones																						
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																						
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urchins																						
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																						
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
Shrimp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chiton	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 11i. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 6 on tenth incubation day.

Species	Quadrat																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Crabs																								
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	0	0	0	10	0	0	6	5	0	0	0	3	0	0	0	0	0	1	0	0	0	2
P. ertomerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
P. producta	0	0	0	0	2	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Starfish																								
A. squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																								
B. eschrichtii	0	0	0	0	6	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	1	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Margarites sp.	0	0	0	0	2	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitrella sp.	6	20	5	17	0	0	15	18	10	8	5	15	0	8	20	10	8	6	17	0	0	0	0	0
Sea anemones																								
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																								
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urchins																								
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																								
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Nemertean worm	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Shrimp	2	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 11j. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 6 on twelfth incubation day.

Species	Quadrat																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Crabs																							
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
P. eriomerus	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Starfish																							
A. squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																							
B. eschrichtii	0	2	2	14	4	20	20	64	100	36	48	60	40	20	0	0	0	4	2	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitrella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	4	0	5	4	0	0
Sea anemones																							
A. artemisia	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																							
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urchins																							
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																							
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	10	8	10
Shrimp	2	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	1	0	0	3	4	4	3
Chiton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Fish	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

Table 11k. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 8 on third incubation day.

Species	Quadrat											
	1	2	3	4	5	6	7	8	9	10	11	12
Crabs												
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	1	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	1	2	0	0	15	0	0	0	0	0	0
Pagarus sp.	0	0	0	0	0	0	0	0	0	0	0	20
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	1	0	0	0	0	0	0	0	0	0	0	0
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0	0
Starfish												
A. squamata	0	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	1	0	0	0	0	0
E. troschelii	0	1	0	0	0	1	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0
Snails												
B. eschrichtii	0	8	20	20	20	0	0	0	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	0	120	240	120	140	100	20	0	40	0	0	0
Mitrella sp.	0	0	0	40	60	60	0	0	0	0	0	0
Sea anemones												
A. artemisia	1	0	0	0	1	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers												
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0
Urchins												
S. droebachien.	0	0	0	0	0	0	1	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous												
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	0	0	0	0	0	0	0	0	0	10
Shrimp	1	2	3	0	0	0	0	0	10	0	0	3
Chiton	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	1	0	0	0	0	0	0	0	0	0

Table 111. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 8 on fifth incubation day.

Species	Quadrat 1	2	3	4	5	6	7	8	9	10	11	12
Crabs												
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	12	0	5	0	0	260	0	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	0	0	0	0	0	0	0	0	0	0	0	0
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0	0
Starfish												
A. squamata	0	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	2	1	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	1	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	?	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0
Snails												
B. eschrichtii	0	12	0	16	4	12	0	108	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	48	88	108	80	68	20	16	4	0	0	0	0
Mitrella sp.	0	0	0	8	48	40	0	24	0	0	0	0
Sea anemones												
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	1	0	0	0	0	0	0	0	0
H. senile	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	1	1	0	0	0	0	0	0	0	0	0	0
Sea cucumbers												
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0
Urchins												
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous												
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	0	0	0	0	10	0	0	0	0	0
Shrimp	0	0	2	0	0	0	0	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	0	0	0	0	0	0	0	0	0	0

Table 11m. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 8 on ninth incubation day.

Species	Quadrat 1	2	3	4	5	6	7	8	9	10	11	12
Crabs												
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	0	3	12	4	6	0	0	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	0	0	0	0	0	0	0	0	0	0	0	0
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0	0
Starfish												
A. squamata	0	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	1	1	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	2	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	1	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0
Snails												
B. eschrichtii	0	0	40	12	0	0	28	0	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	44	108	128	168	124	84	48	0	0	0	0	0
Mitrella sp.	0	48	28	48	48	52	12	0	0	0	0	0
Sea anemones												
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	2	1	0	1	0	0	0	0	0	0	0	0
Sea cucumbers												
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0
Urchins												
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous												
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp	0	0	0	0	2	3	0	2	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	1	0	0	0	0	0
Fish	0	0	0	0	0	0	0	0	0	0	0	0

Table 11n. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 8 on eleventh incubation day.

Species	Quadrat 1	2	3	4	5	6	7	8	9	10	11	12
Crabs												
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	64	0	0	0	0	0	0	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	0	0	0	0	0	0	0	0	0	0	0	0
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0	0
Starfish												
A. squamata	0	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	1	0	0	0	0	0	0	0	0
E. troschelii	0	0	1	1	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0
Snails												
B. eschrichtii	0	0	0	0	0	0	0	0	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	72	308	156	96	48	60	0	0	0	0	0	0
Mitrella sp.	4	92	48	32	68	16	0	0	0	0	0	0
Sea anemones												
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	2	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers												
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0
Urchins												
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous												
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp	0	0	0	0	0	0	0	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	1	0	0	0	0	0	0	0	0	0
Fish	0	0	1	0	0	0	0	0	0	0	0	0

Table 11o. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 9 on fourth incubation day.

Species	Quadrat 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Crabs																
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
P. eriomerus	0	20	10	5	1	0	2	6	0	0	0	0	0	0	0	0
P. producta	0	0	0	0	0	0	1	3	1	1	1	0	0	0	0	0
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Starfish																
A. squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																
B. eschrichtii	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitrella sp.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Sea anemones																
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																
Cucumeria sp.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Urchins																
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	15	15	15	15	15	15	0	15	0	0	0	0	0	0	0
Shrimp	0	0	0	5	1	4	4	0	1	0	2	0	0	0	0	1
Chiton	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 11p. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 9 on eighth incubation day.

Species	Quadrat 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Crabs																
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Starfish																
A. squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																
B. eschrichtii	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitrella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea anemones																
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																
Cucumeria sp.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Urchins																
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	0	0	0	5	0	0	0	0	0	5	0	5	0	5
Shrimp	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2
Chiton	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 11q. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 9 on tenth incubation day.

Species	Quadrat 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Crabs																
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
P. producta	1	0	0	0	1	0	0	1	0	0	5	1	0	0	0	1
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Starfish																
A. squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																
B. eschrichtii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitrella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea anemones																
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urchins																
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	0	0	0	0	0	40	0	0	0	5	0	0	0	0
Shrimp	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 11r. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 9 on fourteenth incubation day.

Species	Quadrat 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Crabs																
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Starfish																
A. squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																
B. eschrichtii	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitrella sp.	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
Sea anemones																
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Urchins																
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	2	2	0	0	0	0	0	2	1	0	40	60	0	60	0	1
Shrimp	0	0	0	1	1	0	0	0	1	2	16	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Fish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 11s. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 11 on sixth incubation day.

Species	Quadrat 1	2	3	4	5	6	7	8	9	10	11
Crabs											
C. gracilis	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	2	40	2	1	1	1	1	15	0	5	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0
P. producta	0	0	2	0	0	0	0	0	1	0	0
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0
Starfish											
A. squamata	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0
Snails											
B. eschrichtii	0	0	0	0	0	2	2	0	0	10	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	0	0	4	4	30	17	10	20	0	4	5
Mitrella sp.	2	20	5	2	3	6	5	2	1	10	0
Sea anemones											
A. artemisia	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers											
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0
Urchins											
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous											
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0
Amphipod	50	50	50	20	0	0	10	30	50	20	10
Shrimp	0	0	1	0	1	0	3	3	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	0	0	0	0	0	0	0	0	0

Table 11t. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 11 on eighth incubation day.

Species	Quadrat 1	2	3	4	5	6	7	8	9	10	11
Crabs											
C. gracilis	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	0	0	0	0	0	0	2	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0
P. producta	0	0	0	0	0	0	0	0	1	0	0
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0
Starfish											
A. squamata	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0
Snails											
B. eschrichtii	0	0	0	0	0	2	0	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	0	2	0	0	0	0	2	0	0	0	0
Mitrella sp.	2	1	0	0	0	1	12	12	4	0	0
Sea anemones											
A. artemisia	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers											
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0
Urchins											
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous											
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0
Amphipod	100	100	0	0	0	10	50	50	50	30	0
Shrimp	0	0	0	0	0	0	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	0	0	0	0	0	0	0	0	0

Table 11u. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 11 on tenth incubation day.

Species	Quadrat 1	2	3	4	5	6	7	8	9	10	11
Crabs											
C. gracilis	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	2	0	0	0	6	0	4	4	6	2	1
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0
P. producta	0	0	1	0	1	0	0	0	1	0	0
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0
Starfish											
A. squamata	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	1	0	0	0
Snails											
B. eschrichtii	0	0	0	0	0	0	0	0	0	0	0
H. virescens	0	0	0	0	0	1	0	0	0	0	0
Margarites sp.	2	0	0	0	24	40	6	0	0	0	0
Mitrella sp.	10	0	19	0	32	24	6	10	7	6	2
Sea anemones											
A. artemisia	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	1	0	0	0	0	0	0
Pachycerian. sp.	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers											
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0
Urchins											
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous											
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0
Amphipod	50	0	50	0	20	10	100	100	50	50	0
Shrimp	1	0	1	0	1	0	0	0	0	0	0
Chiton	0	0	1	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	0	0	0	0	0	0	0	0	0

Table 11v. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 11 on twelfth incubation day.

Species	Quadrat 1	2	3	4	5	6	7	8	9	10	11
Crabs											
C. gracilis	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	0	0	0	0	0	0	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0
P. producta	0	0	0	0	1	0	0	0	0	0	0
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0
Starfish											
A. squamata	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0
Snails											
B. eschrichtii	0	0	0	0	0	0	0	0	3	0	0
N. virescens	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	4	0	0	0	7	7	6	0	9	1	0
Mitrella sp.	0	0	0	0	5	11	12	5	5	6	4
Sea anemones											
A. artemisia	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers											
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0
Urchins											
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous											
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	0	0	0	0	0	0	0	0	0
Shrimp	0	0	0	0	0	0	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	0	0	0	0	0	0	0	0	0

Table 11w. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 12 on fourth incubation day.

Species	Quadrat 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Crabs																											
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	10	0	3	0	0	0	12	0	0	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	16	3	4	0	4	25	23	10	4	22	3	13	0	11	14	5	1	0	7	5	7	4	0	0	0	0	0
T. cheiragonus	0	0	0	0	0	0	3	0	0	2	1	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0
Starfish																											
A. squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																											
B. eschrichtii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N. virescens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	0	40	60	76	88	72	48	48	64	224	72	224	168	124	136	204	60	132	200	120	0	24	0	0	0	0	0
Mitrella sp.	0	0	0	0	0	0	0	0	0	148	108	96	48	40	68	48	24	48	8	0	0	0	24	8	0	0	0
Sea anemones																											
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																											
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urchins																											
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																											
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	20	27	20	5	10	10	6	10	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
Shrimp	0	0	2	3	1	2	0	5	0	5	4	5	0	1	0	7	3	0	0	2	3	0	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 11x. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 12 on eighth incubation day.

Species	Quadrat 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Crabs																											
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	0	7	5	0	0	0	0	0	6	7	0	0	0	0	2	0	0	0	0	0	5	0	4	0	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	0	17	7	10	9	9	13	12	10	0	2	2	3	2	3	0	3	4	0	2	0	1	1	0	0	0	0
T. cheiragonus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Starfish																											
A. squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																											
B. eschrichtii	0	0	0	0	0	0	0	0	0	72	24	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	72	48	40	20	28	24	108	80	204	56	148	220	168	228	148	60	80	140	12	48	48	16	0	0	0	0	0
Mitrella sp.	0	20	0	0	40	112	100	40	52	48	0	0	80	0	48	24	0	28	16	12	28	12	0	0	0	0	0
Sea anemones																											
A. artemisia	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																											
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urchins																											
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																											
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp	0	0	0	4	0	7	9	4	7	12	10	7	0	3	10	1	1	3	0	2	2	0	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	13	0	14	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0

Table 11y. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 12 on tenth incubation day.

Species	Quadrat																									
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Crabs																											
C. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	5	0	0	0	5	8	60	0	10	12	6	12	35	12	0	10	6	5	5	4	3	7	0	0	0	1	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. producta	1	3	0	0	0	9	2	10	3	0	9	3	18	2	0	9	1	12	1	4	2	0	0	4	0	0	0
T. cheiragonus	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Starfish																											
A. squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																											
B. eschrichtii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	0	40	160	92	120	132	108	92	80	220	156	332	108	52	48	108	40	92	32	64	32	32	4	8	0	0	0
Mitrella sp.	0	48	68	28	0	40	40	64	60	24	60	32	40	80	32	48	48	0	36	68	48	48	12	48	12	0	0
Sea anemones																											
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																											
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urchins																											
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																											
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	0	14	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp	0	0	1	2	3	2	1	3	3	1	0	5	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	0	0	1	0	0	1	0	1	0	0	3	0	0	0	0	0	0	0	0	1	1	0	0	0	0

Table 11z. Number of epibenthic organisms observed in 1990 in 0.5 m^2 quadrats on transect 12 on twelfth incubation day.

Species	Quadrat 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Crabs																											
C. gracilis	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. magister	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemigraspus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O. gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagarus sp.	3	7	9	11	0	3	3	0	0	7	0	4	0	0	12	6	6	3	7	0	12	4	3	0	0	0	0
P. eriomerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
P. producta	2	2	4	0	0	2	1	2	1	1	4	0	9	0	3	2	3	1	3	0	0	0	0	0	0	0	0
T. cheiragonus	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Starfish																											
A. squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. imbricata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. troschelii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. leviuscula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. aequalis	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. brevispinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. ochraceus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P. helianthoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snails																											
B. oschrichtii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. virescens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Margarites sp.	0	0	0	0	24	24	48	12	20	48	120	148	180	172	132	148	28	20	112	64	24	12	20	12	0	0	0
Mitrella sp.	48	0	0	12	0	16	28	28	16	12	16	20	24	20	44	40	16	36	64	92	20	8	40	20	0	0	0
Sea anemones																											
A. artemisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. elegantissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pachycerian. sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea cucumbers																											
Cucumeria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urchins																											
S. droebachien.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S. franciscanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous																											
Polychaete worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertean worm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipod	3	0	5	1	5	7	0	0	0	0	0	2	0	7	12	12	6	10	5	0	7	13	14	0	0	0	0
Shrimp	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0
Chiton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranch	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0

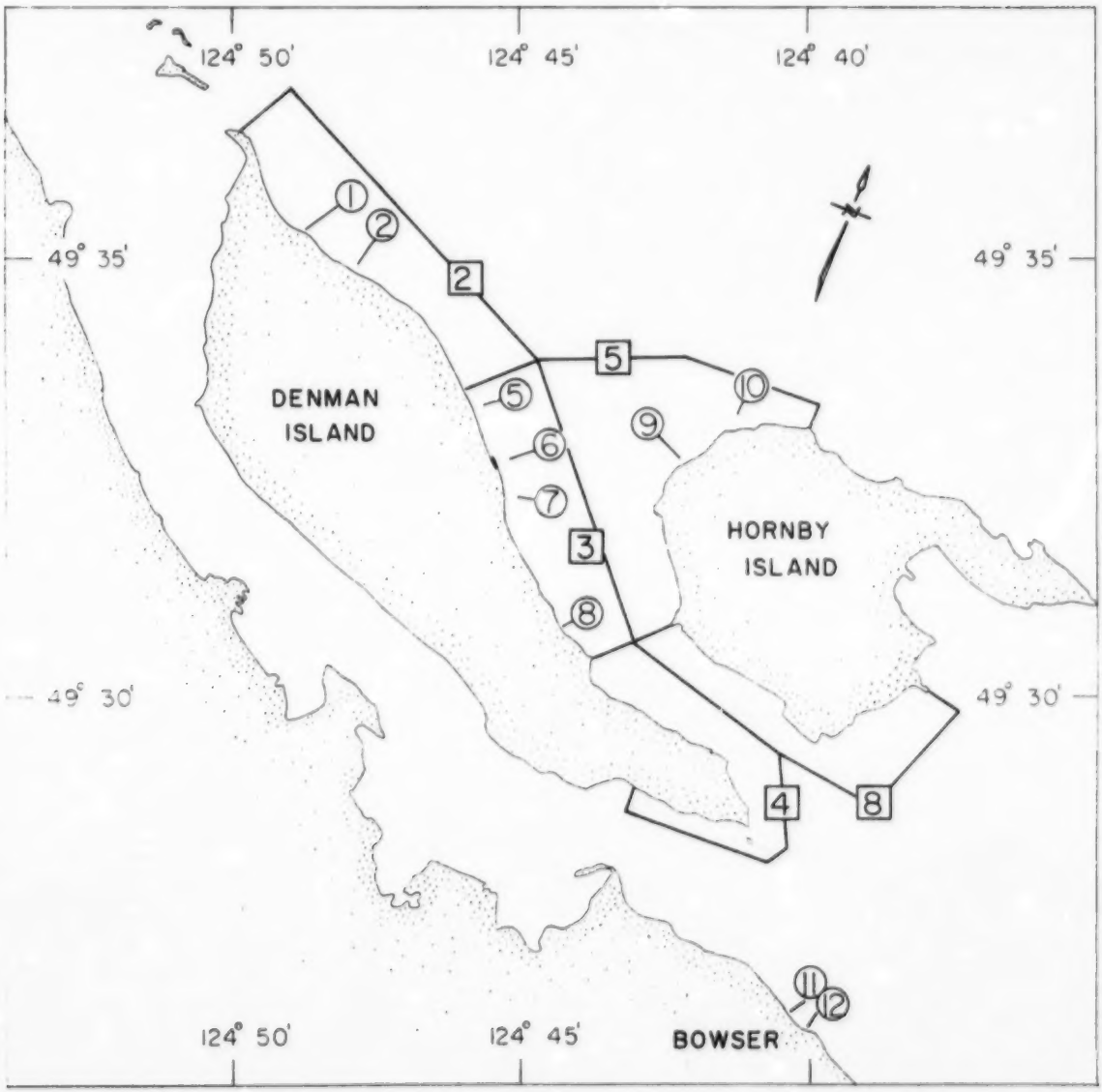

Fig. 1. Lambert Channel study area showing sectors used for bird and sea mammal counts and transects used for spawn and epibenthic fauna sampling.